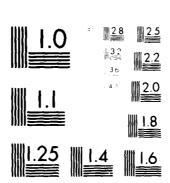
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ENVIRONMENTAL IMPACTS OF AIRPORT POLICY ALTERNATIVES





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September, 1977

Data Supplement to
The Metropolitan Washington Airport Policy Analysis

Prepared for

United States Department of Transportation Federal Aviation Administration

Office of Aviation Policy Washington, D.C. 20591

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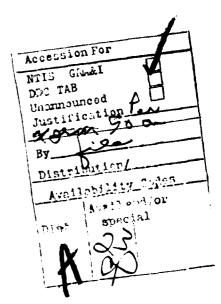
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ENVIRONMENTAL IMPACTS OF AIRPORT POLICY ALTERNATIVES

TABLE OF CONTENTS

CHAP	TER		PAG	E NO.
1.0	AIRC	RAFT NOISE EXPOSURE	• •	1
	1.1	AIRCRAFT NOISE EXPOSURE MODEL	• •	1
	1.2	NOISE EXPOSURE DATA	• •	9
2.0	EMIS	SIONS DATA	4	4
	2.1	AIRCRAFT EMISSIONS	4	4
	2.2	AUTOMOBILE EMISSIONS	7	8



1.0 AIRCRAFT NOISE EXPOSURE

1.1 AIRCRAFT NOISE EXPOSURE MODEL

Noise Model Development

The Airport Noise Exposure Program was developed originally under a DOT contract with Serendipity, Incorporated in 1970. The model was refined and enhanced by the Joint Office of Noise Abatement (DOT and NASA) in 1972. The Noise Contour Model was further refined by the Aeronautical Systems Office of the NASA/AMES Research Center. In January of 1976 all programs and subroutines of the NASA/AMES version of the Noise Exposure Model were installed on the Boeing Computer System (BCS) for the FAA. All census impact analysis and noise contours for the Metropolitan Airport Study were developed using BCS computer programs.

Input Data

Each of the three Metropolitan Washington Airports, National (DCA), Dulles (IAD), and Baltimore Washington International (BWI) was defined in terms of a Cartesian coordinate system with the origin chosen at the beginning of one runway. Relative to this origin, each runway was described by coordinates at the start of the runway, the coordinates at the end of the runway, distance to the start of takeoff roll and the distance to the landing touchdown. (A runway used in both directions was defined as two distinct runways.)

Flight track information was provided for each runway aircraft types using the runway, and each segment of the flight path for aircraft arriving or departing from runway. Each segment (see Figure A.1) is defined by the segment length, climb angle, thrust level, radius of curvature and left/right indicator (for curved segments) and average speed over the segment. The following table summarizes the required input data items:

RUNWAY DATA:

Beginning coordinates
Ending coordinates
Distance to start of takeoff roll
Distance to landing touchdown point

FLIGHT DATA:

Indication of landing or takeoff Aircraft type Number of operations

SEGMENT DATA:

The second secon

Number of segments
Segment length
Climb angle
Thrust level
Radius of curvature
Orientation of curve
Average velocity over the segment

In addition, for each aircraft type the NEF Model maintains tables of distance versus noise data for various levels of engine thrust. Table B.l, for example, shows effective perceived noise level in decibel (EPNdB) for aircraft types the model can currently process. These noise levels correspond to maximum thrust settings (100 percent engine power). Comparable tables are maintained for 90 percent, 80 percent, etc., engine thrust settings.

FIGURE 1.1

Example of a Track Definition

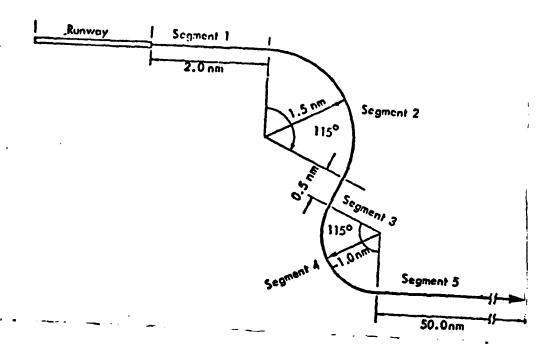


TABLE 1.1

EFFECTIVE PERCEIVED NOISE LEVEL DATA IN dB

(VALUES ARE FOR 100% THRUST)

	AIRCRAFT:			DI	DISTANCE TO	TO AIRCRAFT	(feet)	
	TYPE :	400	009	1,000	2,000	4,000	8,000	10,000
٦.	747-200 B		0	90		10	10	2
2.	DC-10		7	02	٠.	7	•	9
æ,	707-320 B		•	114.7	07.	•		7.
4.	707-320 B SAM		0	07	02.			پ
9	DC-9 SAM		2	60	03.	٠.	10	<u>.</u>
7.	727-200	•	3.	60	05.	0	~	œ
ф ф	727-200 SAM		4.	10	9	۲.	ش	0
11.	DC-9 30		3,	60	02.	5.	7	4.
13.	BAC 111 400		•	12	07.	•	6	4.
14.	CESSNA 182	91.2	89.0	86.1	81.6	76.4	70.2	67.8
15.	DC-8 61 SAM	•	•	110.5	104.7	•	φ	5
16.	DEHAVILAND TWIN							
	OTTER	5	93.0	9		7		7
17.	737-200	114.8	112.3	108.7	103.4	97.0	88.4	4
18.	YS 11 A-200	<u>.</u>	101.7	о ж		9		0
19.	SABLINER 60	7	115.1	ä		φ.	•	9
20.	737 SAM	₽.	112.1	08.	•	9		4.
21.	7x7	۳,	100.2	9	•	δ.		2.
22.	DCX-200	÷.	100.0	5.	•	0	72.5	8.69

Development of Noise Exposure Forecasts

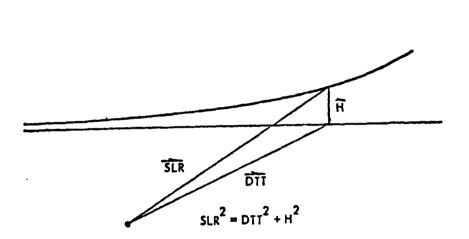
Using all of the previously defined data items, the noise level at a point caused by a single flight can be determined. First, the flight track is examined to determine the point of closest approach to the ground. This location defines the distance of the aircraft from touchdown or liftoff which is used to determine its altitude, thrust, and speed. Using the altitude, the slant distance (see Figure B.2) is determined. The noise level in EPNdB is found by interpolation in the distance versus noise data table. The noise level is then corrected for ground attenuation, shielding, and velocity effects.

Ground Attenuation: The correction for ground attenuation is a function of slant distance and accounts for absorption of noise by dirt, grass, etc. A curve of ground attenuation for 0 degrees elevation angle is available in the program. The EPNdB value is then multiplied by the function $-\sqrt{\text{TAN 3B}}$ to correct for the effect of climb angle (6). This function results in zero ground attenuation correction above $\beta = 30$ degrees. Present curves in the model yield maximum noise attenuation during approach of 15 FPNdF at $\beta = 0$ degrees for distances greater than 4,000 feet and during takeoff of ten FPNdB at $\beta = 0$ degrees for distances greater than 10,000 feet.

Shielding: The shielding correction is applied because baseline noise curves are obtained from data measured directly under the aircraft. Often ground points are shielded from full engine noise by aircraft structural components (i.e., wings, fuselage). Airframe interference, of course, depends on the relative positions of the ground point and the in-flight aircraft. The function currently used for this correction is $3(1-\sqrt{\text{SIN }\beta})$ and is applied equally for all aircraft types. This function results in a maximum reduction of 3 EPNdB at $\beta=0$ degrees.

FIGURE 1.2

Slant Distance Calculation



Velocity: The noise data in the program are for an aircraft speed of 160 knots; a correction is required for other speeds to ensure the proper duration of exposure is applied. The correction is -10 Log(V/160) where V is the actual aircraft ground speed. At slower speeds, therefore, noise impacts are more pronounced due to longer exposure.

To account for the number of operations in developing the noise exposure forecast, NEF for a single aircraft type is computed using the following equation:

$$NEF = EPNL + 10 LOG(NOPS) - 88$$

where NOPS = number of operations and NPNL = the noise level for a given aircraft. To determine total NEF at a point on the ground, the above procedure is repeated and summed for every aircraft type and flight track. This operation is shown as the following equation:

$$NEF = \sum_{k} \sum_{j} \left[L_{ij} + 10 \log (ND_{ij} + 16 NN_{ij}) \right] -88$$

where:

7

L = Single event noise level

ND = Number of day operations

NN = Number of night operations

i = Aircraft type

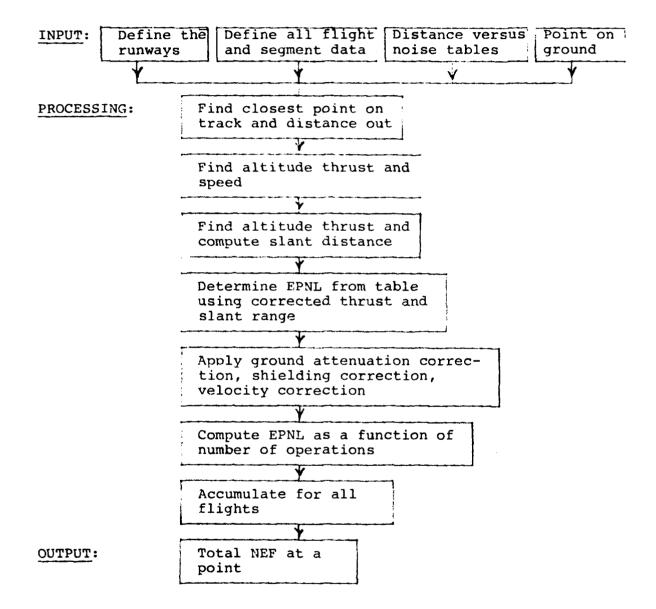
j = Flight track

Moise levels for nighttime operations are perceived as approximately 12 dB more annoying than the same operation during the day (before 10:00 p.m.). This weighting is accomplished by multiplying night operations by the factor 16.

A schematic diagram portraying the development of a NEF value is shown in Figure B.3

FIGURE 1.3

Schematic of the Noise Exposure Forecast Model



1.2 NOISE EXPOSURE DATA

This section presents detailed results for the noise impact analysis of the policy options investigated. It describes for each option the number of people living within the NEF 30 contour at each airport.

Population Living Within the NEF 30 Contours

Tables 1.2 through 1.34 present the NEF 30 affected population for National Airport. Table 1.35 presents the NEF 30 affected population for Dulles Airport.

The analysis shows that 15,491 Maryland residents living close to Baltimore-Washington International are currently exposed to NEF 30 or greater. By 1990 the number of people living within NEF 30 contours at Baltimore will increase to 24,707. The 1990 NEF 30 estimate at Baltimore remained constant in every policy alternative evaluated.

TABLE 1.2

DCA NFF 30 Population for Case 1

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON,	D.C.	99,564
MARYLAND		
Charles	County	0
Montgome	ery County	16,991
Prince 6	Georges County	5,680
VIRGINIA		
Arlingto	on County	11,020
Fairfax	County	0
Prince W	Villiam County	0
City of	Alexandria	12,708
City of	Fairfax	0
City of	Falls Church	***************************************
TOTAL	ı	145,963

DCA NEF 30 Population for Case 2

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON,	D.C.	104,302
MARYLAND		
Charles (County	0
Montgomer	cy County	13,921
Prince Ge	orges County	1,918
VIRGINIA		
Arlington	County	11,034
Fairfax C	ounty	0
Prince Wi	lliam County	0
City of A	lexandria	13,746
City of F	airfax	0
City of F	alls Church	
TOTAL		144,921

TABLE 1.4

DCA NEF 30 Population for Case 3

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON,	D.C.	104,302
MARYLAND		
Charles	County	0
Montgome	ry County	13,921
Prince Ge	eorges County	1,918
VIRGINIA		
Arlington	1 County	11,034
Fairfax (County	0
Prince Wi	Illiam County	0
City of A	alexandria	13,746
City of F	'airfax	0
City of F	alls Church	0
TOTAL		144,921

TABLE 1.5

DCA NEF 30 Population for Case 4

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON, D.	с.	104,302
MARYLAND		
Charles Cou	nty	0
Montgomery	County	13,921
Prince Geor	ges County	1,918
VIRGINIA		
Arlington C	ounty	11,034
Fairfax Cou	nty	0
Prince Will	iam County	0
City of Alex	xandria	13,746
City of Fair	rfax	0
City of Fall	ls Church	0
TOTAL		144,921

TABLE 1.6

DCA NEF 30 Population for Case 5

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON	, D.C.	94,781
MARYLAND		
Charles	County	0
Montgome	ery County	9,611
Prince Georges County		1,918
VIRGINIA		
Arlingto	on County	11,034
Fairfax	County	0
Prince V	William County	0
City of	Alexandria	13,746
City of	Fairfax	0
City of	Falls Church	0
TOTAL		131,090

TABLE 1.7

DCA NEF 30 Population for Case 6

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON	, D.C.	94,781
MARYLAND		
Charles	County	0
Montgom	ery County	9,611
Prince	Georges County	1,918
VIRGINIA		
Arlingt	on County	11,034
Fairfax	County	0
Prince	William County	0
City of	Alexandria	13,746
City of	Fairfax	0
City of	Falls Church	0_
TOTAL		131,090

TABLE 1.8

DCA NEF 30 Population for Case 7

STATE	COUNTY/CITY	EXPOSED POPULATION	,
WASHINGTON,	D.C.	104,302	
MARYLAND			
Charles (County	0	
Montgome	су	13,921	
Prince Ge	eorges County	1,918	
VIRGINIA			
Arlington	County	11,034	
Fairfax (County	0	
Prince Wi	illiam County	0	
City of A	Alexandria	13,746	
City of F	airfax	0	
City of E	alls Church	0	
TOTAL		144,921	

TABLE 1.9

DCA NEF 30 Population for Case 8

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON,	D.C.	104,302
MARYLAND		
Charles C	ounty	0
Montgomer	y County	13,921
Prince Ge	orges County	1,918
VIRGINIA		
Arlington	County	11,034
Fairfax C	ounty	0
Prince Wi	lliam County	0
City of A	lexandria	13,746
City of Fa	airfax	0
City of Fa	alls Church	0
TOTAL		144,921

TABLE 1.10

DCA NEF 30 Population for Case 9

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON,	D.C.	94,781
MARYLAND		
Charles C	ounty	0
Montgomer	y County	9,611
Prince Ge	orges County	1,918
VIRGINIA		
Arlington	County	11,034
Fairfax C	ounty	0
Prince Wi	lliam County	0
City of A	lexandria	12,775
City of F	airfax	0
City of F	alls Church	0
TOTAL		130,119

TABLE 1.11

DCA NEF 30 Population for Case 10

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON	D.C.	104,302
MARYLAND		
Charles	County	0
Montgome	ery County	13,921
Prince (Georges County	1,918
VIRGINIA		
Arlingto	on County	11,034
Fairfax	County	0
Prince V	Villiam County	0
City of	Alexandria	13,746
City of	Fairfax	0
City of	Falls Church	0
TOTAL		144,921

TABLE 1.12

DCA NEF 30 Population for Case 11

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON	, D.C.	104,302
MARYLAND	•	
Charles	County	0
Montgome	ery County	13,921
Prince (Georges County	1,918
VIRGINIA		
Arlingto	on County	11,034
Fairfax	County	0
Prince	William County	0
City of	Alexandria	13,746
	Fairfax	. 0
City of Falls Church		0
TOTA		144,921

TABLE 1.13

DCA NEF 30 Population for Case 12

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON	, D.C.	104,302
MARYLAND		
Charles	County	0
Montgom	ery County	13,921
Prince	Georges County	1,918
VIRGINIA		
Arlingt	on County	11,034
Fairfax	County	0
Prince	William County	0
City of	Alexandria	13,746
City of	Fairfax	0
City of	Falls Church	0
TOTA	L	144,921

TABLE 1.14

DCA NEF 30 Population for Case 13

STATE	COUNTY 'CITY	EXPOSED POPULATION
WASHINGTON,	D.C.	104,302
MARYLAND		
Charles County		0
Montgome	ry County	9,611
Prince Georges County		1,918
VIRGINIA		
Arlingto	n County	11,034
Fairfax	County	0
Prince W	illiam County	0
City of i	Alexandria	13,746
City of I	Fairfax	0
City of I	Falls Church	0
TOTAL		140,611

TABLE 1.15

DCA NEF 30 Population for Case 14

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON, I	o.c.	104,302
MARYLAND		
Charles Co	ounty	0
Montgomery	y County	13,921
Prince Geo	orges County	1,918
VIRGINIA		
Arlington	County	11,034
Fairfax Co	ounty	0
Prince Wil	liam County	0
City of Al	exandria	13,746
City of Fa	irfax	0
City of Fa	lls Church	0
TOTAL		144,921

TABLE 1.16

DCA NEF 30 Population for Case 15

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGT	ON, D.C.	104,302
MARYLAND		
Charl	es County	0
Montg	omery County	13,921
Princ	e Georges County	1,918
VIRGINIA		
Arlin	gton County	11,034
Fairf	ax County	0
Princ	e William County	0
City	of Alexandria	13,746
City	of Fairfax	0
City	of Falls Church	0
TO	TAL	144,921

TABLE 1.17

DCA NEF 30 Population for Case 16

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON,	D.C.	104,302
MARYLAND		
Charles	County	0
Montgome	ry County	13,921
Prince G	eorges County	1,918
VIRGINIA		·
Arlingto	n County	11,034
Fairfax	County	0
Prince W	illiam County	0
City of	Alexandria	13,746
City of	Fairfax	0
City of	Falls Church	0
TOTAL	ı	144,921

TABLE 1.18

DCA NEF 30 Population for Case 17

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON,	D.C.	94,781
MARYLAND		
Charles (County	0
Montgome	ry County	9,611
Prince Ge	eorges County	1,918
VIRGINIA		
Arlington	County	11,034
Fairfax (County	0
Prince Wi	illiam County	0
City of A	Alexandria	12,775
City of F	airf ax	0
City of Falls Church		0
TOTAL		130,119

TABLE 1.19

DCA NEF 30 Population for Case 18

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON,	D.C.	94,302
MARYLAND		
Charles	County	0
Montgome	ry County	9,611
Prince G	eorges County	1,918
VIRGINIA		
Arlingto	n County	11,034
Fairfax	County	0
Prince W	illiam County	0
City of	Alexandria	13,746
City of	Fairfax	0
City of	Falls Church	0
TOTAL		130.611

TABLE 1.20

DCA NEF 30 Population for Case 19

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON, I	o.c.	94,302
MARYLAND		
Charles Co	ounty	0
Montgomery	County	9,611
Prince Geo	orges County	1,918
VIRGINIA		
Arlington	County	11,034
Fairfax County		0
Prince Wil	lliam County	0
City of Al	lexandria	13,746
City of Fa	airfax	0
City of Falls Church		0
TOTAL		130,611

TABLE 1.21

DCA NEF 30 Population for Case 20

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON,	D.C.	94,781
MARYLAND		
Charles C	ounty	0
Prince Ge	orges County	9,611
VIRGINIA		
Arlington	County	11,034
Fairfax Co	ounty	0
Prince Wil	lliam County	0
City of Al	lexandria	12,775
City of Fa	airfax	0
City of Fa	alls Church	0
TOTAL		130,119

TABLE 1.22

DCA NEF 30 Population for Case 21

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON,	D.C.	84,223
MARYLAND		
Charles (County	0
Montgomer	cy County	2,350
Prince Ge	eorges County	1,918
VIRGINIA		
Arlington	1 County	11,034
Fairfax (County	0
Prince Wi	illiam County	0
City of A	Alexandria	12,775
City of F	Cairfax	0
City of E	Calls Church	0
TOTAL		12,300

TABLE 1.23

DCA NEF 30 Population for Case 22

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON,	D.C.	104,302
MARYLAND		
Charles C	ounty	0
Montgomer	y County	9,611
Prince Ge	orges County	1,918
VIRGINIA		
Arlington	County	11,034
Fairfax C	ounty	0
Prince Wi	lliam County	0
City of A	lexandria	13,746
City of F	airfax	0
City of F	alls Church	0
TOTAL		140,611

TABLE 1.24

DCA NEF 30 Population for Case 23

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON,	D.C.	94,781
MARYLAND		
Charles	County	0
Montgome	ry County	2,350
Prince G	eorges County	1,918
VIRGINIA		
Arlingto	n County	11,034
Fairfax	County	0
Prince W	illiam County	0
City of	Alexandria	12,775
City of	Fairfax	0
City of	Falls Church	0
TOTAL		122,858

TABLE 1.25

DCA NEF 30 Population for Case 24

STATE	COUNTY/CITY	EXPOSED POPULATION	
WASHINGTON,	D.C.	84,223	
MARYLAND			
Charles	County	0	
Montgome	ry County	2,350	
Prince G	eorges County	1,918	
VIRGINIA			
Arlingto	n County	11,034	
Fairfax	County	0	
Prince W	illiam County	0	
City of	Alexandria	12,775	
City of	Fairfax	0	
City of	Falls Church	0	
TOTAL		112,300	

TABLE 1.26

DCA NEF 30 Population for Case 25

Ţ.

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON, D	o.c.	94,781
MARYLAND		
Charles Co	ounty	0
Montgomery	County	9,611
Prince Geo	orges County	1,918
VIRGINIA		
Arlington	County	11,034
Fairfax Co	ounty	0
Prince Wil	liam County	0
City of Al	.exandria	12,775
City of Fa	irfax	0
City of Fa	ills Church	0
TOTAL		130,119

TABLE 1.27

DCA NEF 30 Population for Case 26

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON	, D.C.	94,302
MARYLAND		
Charles	County	0
Montgom	ery County	9,611
Prince	Georges County	1,918
VIRGINIA		
Arlingt	on County	11,034
Fairfax	County	0
Prince	William County	0
City of	Alexandria	13,746
City of	Fairfax	0
City of	Falls Church	0
TOTAL		130,611

TABLE 1.28

DCA NEF 30 Population for Case 27

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON,	D.C.	84,223
MARYLAND		
Charles (County	0
Montgomer	cy County	2,350
Prince Ge	eorges County	1,918
VIRGINIA		
Arlington	n County	11,034
Fairfax (County	0
Prince Wi	illiam County	0
City of A	Alexandria	12,775
City of E	Fairfax	0
City of B	Falls Church	. 0
TOTAL		112,300

TABLE 1.29

DCA NEF 30 Population for Case 28

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON	, D.C.	84,223
MARYLAND		
Charles	County	0
Montgom	ery County	2,350
Prince (Georges County	1,918
VIRGINIA		
Arlingto	on County	11,034
Fairfax	County	0
Prince V	William County	0
City of	Alexandria	12,775
City of	Fairfax	0
City of	Falls Church	0
TOTAL		112,300

TABLE 1.30

DCA NEF 30 Population for Case 29

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON, D	o.c.	104,302
MARYLAND		
Charles Co	ounty	0
Montgomery	County	13,921
Prince Geo	orges County	1,918
VIRGINIA		
Arlington	County	11,034
Fairfax Co	unty	0
Prince Wil	liam County	0
City of Al	exandria	13,746
City of Fa	irfax	0
City of Fa	lls Church	0
TOTAL		144,921

TABLE 1.31

DCA NEF 30 Population for Case 30

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON,	D.C.	104,302
MARYLAND		
Charles C	County	0
Montgomer	y County	9,611
Prince Ge	orges County	1,918
VIRGINIA		
Arlington	County	11,034
Fairfax C	County	0
Prince Wi	lliam County	0
City of A	lexandria	13,746
City of F	airfax	0
City of F	alls Church	0
TOTAL		140,611

TABLE 1.32

DCA NEF 30 Population for Case 31

STATE	COUNTY/CITY	EXPOSED POPULATION
WASHINGTON	, D.C.	94,781
MARYLAND		
Charles	County	0
Montgome	ery County	9,611
Prince (Georges County	1,918
VIRGINIA		
Arlingto	on County	11,034
Fairfax	County	0
Prince V	William County	0
City of	Alexandria	12,775
City of	Fairfax	0
City of	Falls Church	0
TOTAL	L	130,119

TABLE 1.33

DCA NEF 30 Population for Case 32

STATE	COUNTY/CITY	EXPOSED	POPULATION
WASHINGTON,	D.C.	84	,223
MARYLAND			
Charles	County		0
Montgome	ery County	2	, 350
Prince G	Georges County	1	,918
VIRGINIA			
Arlingto	on County	11	,034
Fairfax	County		0
Prince W	Villiam County		0
City of	Alexandria	12	,775
City of	Fairfax		0
City of	Falls Church	manifeliore ligitation	0
TOTAL		112	,300

TABLE 1.35 IAD NEF 30 Population

TABLE 1.35 (Continued)

IAD NEF 30 Population

	FAIRFAX CO., VA.	LOUDOUN CO., VA.	
CASE	Exposed Population	Exposed Population	TOTAL
20	2,400	815	3,215
21	2,400	815	3,215
22	0	815	815
23	o	815	815
24	2,400	815	3,215
25	0	815	815
26	0	815	815
27	•	815	815
28	0	815	815
29	0	815	815
30	0	815	815
31	0	815	815
32	2,400	815	3,215

Zero (0) exposed population for all other counties and cities in Washington, D.C., Maryland, and Virginia for NEF 30.

2.0 EMISSIONS DATA

This section presents the detailed data for the aircraft and automobile emissions analyses. First, it shows for each case and airport the pounds per day of each type of pollutant generated by each type of aircraft. The aircraft are described in terms of noise model classes. Next, it presents a summary of the aircraft emissions for each airport and case. Finally, the results of the automobile emissions analysis are presented.

2.1 Aircraft Emissions

Tables 2.2 through 2.33 present the detailed aircraft emissions data. Table 2.1 lists the types of aircraft included in the study, and the corresponding identifying class numbers assigned to the aircraft and referred to in the following tables:

TABLE 2.1

Identification of Aircraft Types

AIRCRAFT TYPE	CLASS NUMBER
747-200B	1
DC-10	2
707-320B	3
707-320B SAM	4
DC-9-SAM	6
727-200	7
727-200 SAM	8
DC-9-30	11
BAC 111 400	13
CESSNA 182	14
DC-8-61 SAM	15
DEHAVILLAND TWIN OTTER	16
737-200	17
YS-11 A-200	18
SABRELINER 60	19
737 SAM	20
7x7	21
DC-X-200	22

TABLE 2.2

EMISSION ANALYSIS FOR CASE 1 (POUNDS/DAY)

AIRPORT	PARTICULATES	CARBON MONOXIDE	HYDRO - CARBONS	OXIDES OF NITROGEN	TOTAL EMISSIONS
DCA	279.54	7168.68	1977.2	7154.24	16579.66
IAD	243.84	4750.65	2927.94	3776.67	11699.10
BWI	143.5	3689.56	2345.76	2601.46	8780.28

TABLE 2.3

Emission Analysis for Case 2 (Pounds/Day)

	AMES A/C	ARRIDEP	PARTIC-	CARBON	HYDRO-	DXIDES OF	
AIRPORT	TYPE	CYCLFS	ULATES	MONOX.	CAPPONS	NITROGEN	
DCA		******	******				***
	- 1 s	21.00	13.86	405.72	84.04	414.17	
	20	6.00	3.46	115.92			
	12	0.0	0.0	0.0	0.0	0.0	
		213.50	211.36		-	-	
· · · · · · · · · · · · · · · · · · ·		145.50	95.03		616.92	2564.76	
	21	0.0	0.0	· . 5	ن•ن	0.3	-
	22	0.0	O •O	0.0	0.0	0.0	
	2	0.0	0.0	0.0	0.0	n • 0	
****	*****	****	***	****	******	*****	* * *
		566.30	325.21	9519.92	2089.26	9717.02	21651.40
		- ENT 2210A	ANALYSIS	FUR CASE			
*****	******	******	******				
	AMES A/C	ASR/DEP	PARTIC-	CALBON	HYDRC-	OXIDES OF	
n Hork#	TYPE	CYCLES	ULATES		2110-1943	NITROSCH	
*****	*******	*******	******	******	******	*******	***
	18	:5.09	10.85	240.60	49.93	347.33	
	20	24.00	14.40	319.20	66.24	460.00	
	12	0.0	0.0	0.0	0.0	0.0	
	8	43 . 00	36.54	837.90	175.14	1210-56	
	21	<u></u>	 ु•ु-	,_0•0,_			
	22			_ 447.84	120.00	_1472.18	
	<u>}</u>	37.00 5.00	0.0 13.80	895•66_ 860•66	<u>240.00</u> 88.30		
	3	10.65	43.03	838.74	662.00	204.70	
	11	3.59	2.15	47.75	9.91	na OS	
	6	74.00	44.40	984.20	204.24	1420.00	
* - ******	*******	*******	******	*****	****	******	**
		225.33	165.17	4971.05	1616.26	6614.96	15568.34
		EMISSION	ANALYSIS	FOR CASE	2		
****	*****		*****	*******	*****	*******	**
AIMPORT	AMES A/C	_APR/DEP CYCLES	_PARTIC=_ ULATES	_CARBON _MONOX.	_HYDRD=	CXIDES_OF NITHUSTN	
****			OLAIES	一門(1977人)	(,AKMIN) Kababababa	ing Alberta	
c w I							
	1.8	14.99	9.30	249.48	53.97	202.66	
	25	21.59	13.57	364.23	76.80	427.27	
	12	0.0	0.0	0.0	0.0	≎•0	
	ä	34.28	31.88	856.73	184.10	1662.77	
	21	0.0	0.0	~~~~~ <u>~</u>	0.0		
	22	12.99	1.95	463.47	129,80	1144.04	
	1	2.00	6.00	164.01	45.45	234.6	
	3	2.25	9.27	226.15	184.23	42.68 1100.0	
	?	12.44	1.05	463.87	129.85.	. 1190.04	
	6	66.77	40.76	1094.36	236.76	1263.77	
		167.17	114.69	3904.5R	10.2.45	5707-30	0770.02
	SES	<u></u>	 	<u></u>			

TABLE 2.4

Emission Analysis for Case 3 (Pounds/Day)

	AMES A/C	ARRZOLP	PARTIC-	CARBON	HYDRO-	OXIDES OF
AIRPORT	TYPE	CYCLES	ULATES	MONOX.	CARRONS	NITROGEN
******	********	********	******	********	********	********
" ÇCA					-	· · · · · · · · · · · · · · · · · · ·
- .	18	22.00	14.52	425.04	93.28	433.84
	20	3.90	2.57	75.35	16.54	76.91
	12	0.0	0.0	0.0	0.0	0.0
	+	191.10	189.19	5538.07	1215.40	5652.73
	6	131.00	86.46	2530.92	555.44	2583.32
	21	0.0	0.0	0.0	0.0	0.0
	22	0.0	0.0	0.0	0.0	0.0
	2	0.0	0.0	0.0	0.0	0.0
******	******	******	*****	******	*****	*****
		346.CO	292.74	8569.37	1860.65	8746.80 19489.5
		EMISSION	ANALYSIS	FOR CASE	-3	
	133111111					******
	AMES A/C	ARRZDEP	PARTIC-	CARRON	HYDRO-	OXIDES OF
AIRPORT	TYPE	CYCLES	ULATES	MONOX.	CARBONS	NITROGEN
****		*****	*****	******	*****	******
IAD						
	18	8.09	4.85	107.60	22.33	155.33
	20	26.40	15.84	351.12	72.86	506.88
	12	0.0	0.0	0.0	0.0	0.0
	6	51.10	44.46	1019.44	213.09	1473.21
	21	0.0	0.0	0.0	0.0	0.0
	22	17.00	0.0	475.83	127.50	1564.17
	2	36.00	0.0	1007.64	270.00	3312.35
	1	6.00	16.56	432.00	106.56	714.00
	3	10.65	43.03	838.79	662.00	294.79
	11	3.59	2.15	47.75	9.91	68.93
	66	83.50	50.10	1110.55	230.46	1603.20
*****	******	*******	******	*****		
		242.33	176.99	5390.71		9692.84 16975.2
		EMISSION	ANALYSIS	FOR CASE	3	
*****	*****	*****	******	*******	*****	***********
	AMES A/C	AKR/II-P	PARTIC-	CARBON	HYDRO-	DX IDES OF
# 1 m 1 m 1 m T 	TYPE	CACFE	ULATES	.xcnom	CARRONS	NITROGEN

. 1	16	12.99	8.66	232.84	50.37	273.14
	20	22.49	13.94	374.21	80.96	438.98
	12	0.0	0.0	0.0	0.0	0.0
		31.48	29.28	786.79	164.07	920.91
	21	0.0		0.0	0.0	0.0
		11.99	1.80	428.19	119.82	1106.80
	 i	3.00	9.00	278.86	68.47	359.82
	3	2.25	9.27	276.15	184.23	62.88
	2	13.99	2.10	499.55	139.79	1291.27
·	6	65.97	40.90	1097.69	237.48	1287.67
*******		*******	*******	******	******	*********
		165.17	114.96	3924.2A	1050.69	5741.48 10831.4
ECVE 3 CA	SES					

TABLE 2.5

Emission Analysis for Case 4 (Pounds/Day)

	AMES AZC	VBBNIEB	PARTIC-	CARBUN	HYDRU-	DXICES OF	
AIRPORT	4.400	CAUFER	ULATES	WO NUX.	CAPHONS	NITRAKEN	
	*****	****	***	****	******	******	***
ADC							
	14	22.00	14.52	425.04	93.29		
	50	3.00	1.08	57.96	12.72	50.16	
	12	0.0	0.0	0.0	0.0	0.0	
	is	165.90	<u> </u>	4807.78	1055.12	4907.32	
	6	118.10	77.05	_2281.69	500.74	2325.93	
	21		0.0	0.0	Ç• Ú	0.0	
		0.0	<u>0</u> 2	0 <u>.</u> 0.	0.0	7.0	
		0.0	0.0	(· · ·	C • C	0.0	
*****	*****	~~~~~~~~~~	**************************************	**************************************			*** . *^^^ ^
		744.00	258.69 Maja Witte	7572.46	1061.87	7724.24	17222.2
	· · · · · · · · · · · · · · · · · · ·		ANALYSIS	FUM_CAS	` -		
	*****	******	****	******			
* (************************************	AMES AZC	AKR/DEP	PARTIC-	CAFHON	HYDRU-	"CXIDES" CF	
Tynests	TYPE	CYCLES	ULATES	MONUX.	CAREONS	Mittoched	
****		****		****		*****	***
1/1							
	1 A	13.00	10.65	240.60	49.63	347.33	
	20	25.20	15.12	336.16	40.66	453.94	
		0.0	0.0	- 0.0	c.j		
	ř.	73.50	63.94	1466.32	306.49	2114.00	
	21	0.0	0.0	0.0	0.0	0.0	
	2.7	17.00	0.0	475.63	127.50	1564.17	
		37.00	0.0	1035.63	277.50	3404.36	
			22.116	F 74.00	147.119	945.00	
	, , ,	10.65	43.03	~ 838.7€	662.00	29.4.79	
	11	3.59	2.15	47.75	9.91	65.43	
	<u></u>	91.30	54.18	1500.00	249.23	1733.76	
	*****	*****	******	******	******		+++
		225.33	211.36	6217.06		10000.17	10300-7
		ENTISICN	ANALYSIS	FOR CASE	4		
	* * * * * * * * *	******	****	*****	******	****	***
		466 ///10	P.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	_CARBON	11×363-	CATUES DE	
	T V 2 3	CYCLES	ULATES	WUNUX.	CALPONS	13 4 4 USE A	
	*****	****	****	*******	*********	*****	
•				202			<u></u>
	1	13.49		232.54	50.37	273.14	
	•	70.39	12.54	339.29	73.40	366.03	
				0.0 909.18	C.U 195.37	1054.17	
		36.38 0.0	<u>33 4</u> 		·	0.0	
-	5.9	14.44	2.25	525.23		1387.51	
	- ' <u>'</u> ,	2.00	6.00	185.91	45.98	234.88	
	•	2.25	9.27	226.15	184.23	62.68	
	• · ·	13.99		499.55	139.79	1291.27	
		63.17	2.10 39.16	1051.12	227.41	1733.05	
*******	******	U.: + 1 / 		*****	, , , , , , , , , , , , , , , , , , ,	- CF リリトリュ 食事事業業業業業	***
		147 17	112 02	2070 24	1044 33	60.6.00	11105.4
ASOVE 3 CA	SES	167.17	112.03	3979.26	1066.32	5045.90	

TABLE 2.6

Emission Analysis for Case 5 (Pounds/Day)

	AMES A/C	ARR/DEP	PARTIC-	CARBON	HYDRO-	OXTOES OF
7.5 PORT	TYPE	CYCLES	ULATES	MONOX.	CARBONS	NITROGEN
****	********	********	*******	******	*******	*********
CA			عربوا والمسالك			د المستدامين التي المالية الم
	18	21.00	13.86	405.72		414.12
	12	2.40 0.0	1.58	46.37	10.18	47.33 0.0
	8	140.70	139.29	4077.48	894.85	4161.40_
	6	106.90	70.55	2065.31		
·	21	0.0	0.0	0.0	0.0	0.0
	2.2	0.0	0.0	0.0	0.0	0.0
	2	0.0	0.0	0.0	0.0	0.0
*****	*******	******	*****	******	*****	*******
		271.00		6594.87		6731.41 14998
		EMISSION	I ANALYSIS	FOR CAS	£5	

	AMES A/C	ARR/DEP	PARTIC-	CARPON	HYDRO-	OMIDES DE
AIRPORT	TYPE	CYCLES	ULATES	MONOX.	CARLONS	NITROGEN
	*******		*****	******	******	*******
IAD						
	18	17.09	10.25	227.30	47.17	328.13
	20	15.00	9.00	199.50	41.40	286.00
	12	0.0	0.0	0.0	0.0	0.0
	B	86.10	74.91	1717.69	359.04	2482.26
	21		0.0	0.0	0.0_	0.0
	2?	24.00 39.00	0.0	671.76 1091.61	160.00_	2205.24 3588.36
	<u> </u>	9.00	24.84	648.00	292.50 159.84	1071.00
	3	10.65	43.03	838.79		294.70
	11	3.59	2.15	47.75	9.91	68.93
	6	71.90	43.14	956.27	198.44	1380.48
******	*******		*****	******	*******	********
		276.33		6398.66		11710.19 20266.
		EMISSION	ANALYSIS	FOR CASE	€ 5	
*****			*****			******
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	AMES A/C	ARR/DEP	PARTIC-	CARBON	HYDRO-	07795 DE
AIRPORT	TYPE	CYCLES	ULATES	MONGX.	CARRONS	OXIDES OF NITROGEN
******		*******	*****	******	******	******
AWI						
	18	13.99	8.68	232.84	50.37	273.14
	20	19.49	12.08	324.32	70.16	3R0.45
	12	0.0	0.0	<u></u>	0.0	0.0
	<u> </u>	35.68	33.1A	891.70	191.61	1043.70
	21	0.0	0.0	0.0_	0.0	
	22	16.99 2.00	2.55 6.00	606.60 185.91	169.74	1567.97
	3	2.00	9.27	226.15	45.98 184.23	239.88 62.88
	2	12.99	1.95	463.87	129.80	1199.04
	6	60.77	37.68	1011.20	218.77	1186.22
********		*******	*****	******	*****	******
		164.17	111.38	3942.58	1060.68	5953.28 11067.
APOVE 3 CA						

TABLE 2.7

Emission Analysis for Case 6 (Pounds/Day)

18 20 12	21.00 0.90 0.00 116.90 94.20 0.0 0.0 233.00 EMISSION ACK/CEP CYCLES ************************************	13.86 0.59 0.0 115.73 62.17 0.0 0.0 192.36 ANALYSIS ***********************************	17.39 0.0 3387.76 1819.44 (.0 0.0	0.0 743.48 399.41 0.0 0.0 0.0 0.0 1235.75 E 6 ***********************************	414.12 17.75 0.0 3457.90 1857.62 0.0 0.0 0.0 0.0 5747.39 12806.3 0x1055 0+ N17RUGFN 289.73 464.56 0.0 2865.70 0.0 3036.33 3772.40 1309.00
20 12 6 6 21 22 2 24 44 44 45 45 47 47 47 47 47 47 47 47 47 47 47 47 47	0.90 0.0 116.90 94.20 0.0 0.0 0.0 EMISSION ACRICED CYCLES ************************************	0.59 0.0 115.73 62.17 0.0 6.0 0.0 192.36 ANALYSIS FARTIC- ULATES 4.44 0.0 86.40 0.0 0.0 30.36	17.39 0.0 33A7.76 1819.44 (0.0 0.0 ******* 5630.61 FOR CASE ****** CARSON MONUX. ****** 200.70 323.19 0.0 1983.03 923.67 1147.59	3.82 0.0 743.48 399.41 0.0 0.0 0.0 1235.75 6 1235.75 6 14.65 67.07 0.0 247.50 307.50 195.36	17.75 0.0 3457.90 1857.62 0.0 0.0 0.0 5747.39 12806.3 0x1055 CH N1TRUGEN ************************************
20 12 6 6 21 22 2 24 44 44 45 45 47 47 47 47 47 47 47 47 47 47 47 47 47	0.90 0.0 116.90 94.20 0.0 0.0 0.0 EMISSION ACRICED CYCLES ************************************	0.59 0.0 115.73 62.17 0.0 6.0 0.0 192.36 ANALYSIS FARTIC- ULATES 4.44 0.0 86.40 0.0 0.0 30.36	17.39 0.0 33A7.76 1819.44 (0.0 0.0 ******* 5630.61 FOR CASE ****** CARSON MONUX. ****** 200.70 323.19 0.0 1983.03 923.67 1147.59	3.82 0.0 743.48 399.41 0.0 0.0 0.0 1235.75 6 1235.75 6 14.65 67.07 0.0 247.50 307.50 195.36	17.75 0.0 3457.90 1857.62 0.0 0.0 0.0 5747.39 12806.3 0x1055 CH N1TRUGEN ************************************
12 6 6 21 22 2 *************************	15.09 24.30 253.CO EMISSION 15.09 24.30 0.0 41.00 11.00	0.0 115.73 62.17 0.0 6.0 0.0 192.36 ANALYSIS ***********************************	0.0 3387.76 1819.44 (.0 0.0 0.0 0.0 0.0 5630.81 FOR CASI ************************************	0.0 743.48 399.41 0.0 0.0 0.0 0.0 1235.75 E 6 ***********************************	0.0 3457.90 1857.62 0.0 0.0 0.0 0.0 5747.39 12806.3 0x1055 0H N17RUGFN 289.73 466.56 0.0 2865.70 0.0 3036.33 3772.40
18 21 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	116.90 94.20 0.0 0.0 0.0 253.00 EMISSION ACK/CED CYCLES ************************************	115.73 62.17 0.0 0.0 0.0 192.36 ANALYSIS ***********************************	3367.76 1816.44 (.0 C.0 0.0 *******************************	743.48 399.41 0.0 0.0 0.0 1235.75 E 6 ************************************	3457.90 1857.62 0.0 0.0 0.0 0.0 5747.39 12806.3 0x10ES OF N1TRUGEN ************************************
6 21 22 2 4444444 1! S. A/C 7 YPE 40444444 18 10 12 6 21 22 21 22	94.20 0.0 0.0 253.CO EMISSION ACK/CED CYCLES 15.09 24.30 0.0 94.40 11.00 11.00 10.65	9.05 14.58 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	1816.44 (.0 C.0 0.0 *****************************	399.41 0.0 0.0 0.0 1235.75 E 6 ************************************	1857.62 0.0 0.0 0.0 0.0 5747.39 12806.3 5747.39 12806.3 0x1055 0h N17RUGFN 289.73 466.56 0.0 2865.70 0.0 3036.33 3772.40
21 22 2 2 2 4 4 4 4 4 5 5 6 7 7 9 1 2 2 2 2 1 2 2 1 3	15.09 24.30 253.00 EMISSION ACK/CEP CYCLES 15.09 24.30 0.0 94.40 0.0 11.00 11.00	9.05 14.58 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	C.0 0.0 5630.61 FOR CASI ******** CAR50N MONOX. ******* 1983.03 1983.03 1983.03 1983.03 1983.03	0.0 0.0 0.0 1235.75 6 1235.75 6 6 1235.75 6 14.65 67.07 0.0 41.65 67.07 0.0 41.50 0.0 247.50 307.50 195.36	0.0 0.0 5747.39 12806.3 0x1055 0+ N17RUGEN ************************************
2 ************************************	253.CO EMISSION ACRICED CVCLES 15.C9 24.30 -0.C 94.40 -0.0 33.00 41.00 -11.00 -10.65	9.05 14.58 0.0 86.48 0.0 0.0 0.0 30.36	0.0 ********* 5630.81 FOR CASI ******** CARSON MUNUX. ******* 1983.03 1983.03 1983.03 1983.03 7923.67	0.0 1235.75 E 6 HYDRO- CAS BUNS 41.65 67.07 0.0 414.50 0.0 247.50 307.50 195.36	C.0 5747.39 17806.3 OXIDES OF NITRUGEN 289.73 466.56 0.0 2865.70 0.0 3036.33 3772.40
18 20 12 8 21 22 1 3	253.CO EMISSION ACK/CLD CYCLES ********** 15.C9 24.30 0.C 94.40 0.0 33.00 41.00 11.00 10.65	192.36 ANALYSIS FARTIC- ULATES ******* 9.05 14.58 0.0 86.48 0.0 0.0 30.36	**************************************	1235.75 E 6 HYDRO- CASEUNS ************************************	289.73
18 :0 12 8 21 22 1 3	EMISSION ACK/CED CYCLES 15.09 24.30 0.0 94.40 0.0 33.00 41.00 11.00 10.65	9.05 14.58 0.0 86.48 0.0 0.0 0.0 30.36	FOR CASI ************************************	HYDRO- CAR SUNS ***********************************	289.73
18 :0 12 8 21 22 1 3	EMISSION ACK/CED CYCLES 15.09 24.30 0.0 94.40 0.0 33.00 41.00 11.00 10.65	9.05 14.58 0.0 86.48 0.0 0.0 0.0 30.36	FOR CASI ************************************	HYDRO- CAR SUNS ***********************************	289.73
18 :0 12 8 21 22 1 3	15.09 24.30 0.0 94.40 0.0 11.00 11.00	9.05 14.58 0.0 86.48 0.0 0.0 0.0 0.0	CARSON MUNOX. 200.70 323.19 0.0 1983.03 0.0 923.67 1147.59	HYDRO- CASEONS 41.65 67.07 0.0 414.50 0.0 247.50 307.50	289.73 -464.56 0.0 2865.70 0.0 3036.33 3772.40
18 :0 12 8 21 22 1 3	15.09 24.30 0.0 94.40 0.0 33.00 41.00 11.00	9.05 14.58 0.0 86.48 0.0 0.0 0.0 30.36	700.70 323.19 0.0 1983.03 0.0 923.67 1147.59	41.65 67.07 0.0 414.50 0.0 247.50 307.50	289.73 -464.56 0.0 2865.70 0.0 3036.33 3772.40
18 :0 12 8 21 22 1 3	15.09 24.30 0.0 94.40 0.0 33.00 41.00 11.00	9.05 14.58 0.0 86.48 0.0 0.0 0.0 30.36	700.70 323.19 0.0 1983.03 0.0 923.67 1147.59	41.65 67.07 0.0 414.50 0.0 247.50 307.50	289.73 -464.56 0.0 2865.70 0.0 3036.33 3772.40
18 :0 12 8 21 22 1 3	15.09 24.30 0.0 94.40 0.0 33.00 41.00 11.00	9.05 14.58 0.0 86.48 0.0 0.0 0.0 30.36	700.70 323.19 0.0 1983.03 0.0 923.67 1147.59	41.65 67.07 0.0 414.50 0.0 247.50 307.50	289.73 -464.56 0.0 2865.70 0.0 3036.33 3772.40
18 ::0 ::12 ::8 ::21 ::22 ::22 ::2 ::1 ::3	15.09 24.30 0.0 94.40 0.0 33.00 41.00 11.00	9.05 14.58 0.0 86.48 0.0 0.0 0.0 0.0	200.70 323.19 0.0 1983.03 0.0 923.67 1147.59	41.65 67.07 0.0 414.50 0.0 247.50 307.50	289.73 -66.56 0.0 2865.70 0.0 3036.33 3772.40
20 21 22 2 1 3	24.30 0.0 94.40 0.0 33.00 41.00 11.00	14.58 0.0 86.43 0.0 0.0 0.0 30.36	323.19 0.0 1983.03 0.0 923.67 1147.59 792.00	67.07 0.0 414.50 0.0 247.50 307.50 195.36	466.56 0.0 2865.70 0.0 3036.33 3772.40
20 21 22 2 1 3	24.30 0.0 94.40 0.0 33.00 41.00 11.00	14.58 0.0 86.43 0.0 0.0 0.0 30.36	323.19 0.0 1983.03 0.0 923.67 1147.59 792.00	67.07 0.0 414.50 0.0 247.50 307.50 195.36	466.56 0.0 2865.70 0.0 3036.33 3772.40
12 8 21 22 7 1 3	94.40 0.0 33.00 41.00 11.00	0.0 86.48 0.0 0.0 0.0 0.0	0.0 1983.03 0.0 923.67 1147.59 792.00	0.0 414.50 0.0 247.50 307.50 195.36	0.0 2865.70 0.0 3036.33 3772.40
8 21 22 2 1 3	94.40 0.0 33.00 41.00 11.00	86.48 0.0 0.0 0.0 0.0 30.36	1983.03 0.0 923.67 1147.59 792.00	414.50 0.0 247.50 307.50 195.36	2865.70 0.0 3036.33 3772.40
21 22 2 -1 3	0.0 33.00 41.00 11.00	0.0 0.0 0.0 30.36	0.0 923.67 1147.59 792.00	0.0 247.50 307.50 195.36	0.0 3036.33 3772.40
22 -1 -3	33.00 41.00 11.00 10.65	0.0 0.0 30.36	923.67 1147.59 792.00	247.50 307.50 195.36	3036.33 3772.40
$\frac{2}{1}$	41.00 11.00 10.65	0.0	792.00	307.50 195.36	3772.40
	11.00	30.36	792.00	195.36	
	10.65		- 17		
11				662.00	294.79
	7	2.15	47.75	9.91	68.43
_ 6	94.30	59.58	1320.69	274.07	1906.56
******	*******	*****	*****	******	******
	337.33	245.23	7577.39		14009.98 24057.1
	EMISSION	TANY CART	FOR CASE	<u> </u>	
		*****	******	******	******
455 A/C	ARRIDER	PARTIC-	CARBON	HYDRO-	DXIDES DE
TYPE	CYCLES	ULATES	MONDX.	CARBONS	NITROGEN
*****	****	******	*****	*******	******
			 -		
2	13.00	₽ • ₽ c			273.14
47	23.04				450.69
_12					
	and the same of the same of the same of				679.98
					1475.74
					359.82
3	2.25	9.27	226.15	184.23	62.88
2	13.99		499.55		1291.27
6	66.77	41.40	1110.99	240.36	1303.28
*****	*******	******	******	******	*********
	169.17	115.12	4055.32	1088.15	6096.80 11355.3
5					
	21 22 13 23 22	21 23.09 23.09 12 0.0 21 0.0 22 15.99 1 3.00 3 2.25 2 13.99 6 66.77	17.09 8.66 23.09 14.31 10 0.0 0.0 30.08 27.98 21 0.0 0.0 22 15.99 2.40 1 3.00 9.00 3 2.25 9.27 2 13.99 2.10 6 66.77 41.40	17.09 8.66 232.64 23.09 14.31 3P4.19 12 0.0 0.0 0.0 21 0.0 0.0 0.0 22 15.99 2.40 570.91 1 3.00 9.00 278.86 3 2.25 9.27 226.15 2 13.99 2.10 499.55 6 66.77 41.40 1110.99	23.09

TABLE 2.8

Emission Analysis for Case 7 (Pounds/Day)

AIRPORT	TYPE	CYCLES	ULATES	MONOX.	CARBONS	NITROGEN	
	********	********	*******	*******	*****	******	****
DCA						meneral space space and	
	1.8	21.00	13.86	405.72			
	20	5.40	3.56	104.33		100.49	
	12	0.0	0.0	0.0	0.0	0.0	
	8	204.40	202.36	5923.51		6046-15_	
	<u>, 6</u>	140.20	92.53	2708.66		2764.74	
	21 22	0.0	0.0	0.0	0.0	0.0	
	2	0.0		<u>0.0</u> -	0.0	 0.0 -	
*****		***	*****	*****	*****	*****	***
***************************************		371.00	312.31	9142-21	2006-37	9331.49	20792.3
			ANALYST				
*******	********	*******	******	******	******	******	****
	AMES A/C	ARRIDEP	PARTIC-	CARBON	HYDRO-	OXIDES	F
-I ORT	TYPE	CYCLES	ULATES	MCNOX.	CARBONS	NITROGEN	
李次章 27 天李李章章:	********	*******	******	*******	******	*****	****
: 5							
	18	18.09	10.85	240.60		347.33	
	20	24.90		331.17		478.08	
	12	0.0	0.0	0.0	0.0	0.0	
	. 8	45.50	39.58	907.72		1311.76	
	21	<u>0.0_</u>	0.0	0.0	0.0	0.0	
	22	15.00_	0.0	419.85	-	1380.15_	
	2	33.00	0.0	923.67		3036.32	
		6.00				714.00	
	3	10.65	43.03	838.79		294.79 68.92	
	11	3.59	2.15	47.75		_	
*******	6	77.60	46.56	1032.08		1489.92	***
******		234.33	173.68	5173.62	1661-03	9121.27	16120.6
		EMISSION		FOR CAS		^^^	
				J TON GAS	· · · · · · · · · · · · · · · · · · ·		
*******	********	*******	*****	******	******	*******	****
	AMES A/C	ARR/DEP	PARTIC-	CARBON	HYDRO-	OXIDES O	F
AIRPORT	TYPE	CYCLES	ULATES	MONOX.	CARRONS	NITROGEN	·
******	*******	********	*******	*******	******	*******	****
BWI							
	18	14.99	9.30	249.48	53.97	292.65	
	20	23.09	14.31	384.19		450.69	
	12	0.0	0.0	0.0	0.0_	0.0	
	8	32.18	20.93	804.27	172.83	941.38	
	21	0.0	0.0	0.0	0.0	0/)	
	22	12.99	1.95	<u>463.67</u>		1100.04	
	1	2.00	6.00	185.91		239.88	
	3 2	2.25	9.27	226.15		62.88	
	2	13.99	2.10	499.55		1291.27_	
		67.67	41.95	1125.96	243.60	1320.84	***
		*****	****				
*******	*****		174-RA	2020.27	1053-31	579A.A2	10904.1
ABOVE 3 C/	********	169.17	114.80	3939.37	1053.31	5798.62	10906.1

TABLE 2.9

Emission Analysis for Case 8 (Pounds/Day)

		3/	33.84		195.37	1064.17	
		0.0	0.0	J.O.	0.0	0.0	
		20.20	17.64	339.29	73.40	398.01	
	1.4	13.99	н.68	232.84	50.37	273.14	
4.4	-						
	******	*******	*****	- 1471年二八日 (李章章章 李章章 直直		*******	
MILDEST	TYPE	าซึ่งอัย ก็—	ULATES	MONOX.	CARBONS	OXIDES OF	
	AMES A/C	425.70°F	PARTIC-	CARBON	74.0 to 7.0 to 7	アイナマン マンド・マン	
*****	*****	*****		****			
		FM_1 < 2.10 A	ANALYSIS	FOR CASE		,	
		283.33	211.36	6217.36		10966-17 1929	9.7
* ** ** * * * * * * * * * * * * * * *	*****	****	*******	*******	******	********	
	arri diniri	90,70	54.14	1200.49	2.44.23	1733.76	
	1:	3,50	2.15	47.75	9.41	68.93	
		14.65	43.03	A31.74	652.10	294.79	
	1		22.08	574.00	142.08	952.00	
	?	37.00	7.0	1035.63	277.50	3404.36	
	??	17.60	0.0	475.F?		1564.17	
	<u> 21</u>		0.0	0.0	0.0_	0.0	
	74	72.50	63.94	1466.32	300.49	2119.00	
	1.2	0.0	3.0	0.0	0.0	0.0	
	2.5	?*?0_	15.12	335.16	60.55	443.84	
	16	19.09	10.85	240.60	49.03	347.33	
IAD							
*******	*****	******	*****	******		*****	
AIRPORT	TYPE	CYCLIS	ULATES	MUNUX.	CAPBONS	NITROGEN	
	AMES AZE	ARR/DEP	PARTIC-	CARSUN	HAUBU~	OXIDES OF	
*****	*******	*******	*****	*****			
		ELT9210W	ANALYSIS	S PUK LAS	E		
		30°.00	254.03			7709.52 1717	H . 3
~~~~~~~~		**************************************	1444444 26	*****	*****	***********	
*****		0.0	0.0	0.0	0.0	0.0	
		<u></u>	0.0		0.0	0.0	
	21	2.0	0.0	0.0	0.0	(.0	
	۸	114.10	17.95	2261.69	500.74	2320.93	
	.9	165.40	164.24	4807.78	1055.12	4907.32	
	12	0.0	0.0	0.0	0.0	0.0	
<del></del>	20	3.00	1.68	57.46		59.16	
	18	21.60	13.86	405.72	89.04	414.12	
DCA					********		
A74911K7	********	4444444				NITROCEN	
	AMES A/C	AKRZDEP CYCLES	PARTIC- ULATES	MONEX.	PYORD- CAPRONS	CXIDIS OF	

TABLE 2.10

Emission Analysis for Case 9 (Pounds/Day)

	AMES A/C	ARR/DEP	PARTIC-	CARBON	HYDRO-	OXIDES OF
AIRPORT	TYPE	CYCLES	ULATES	MONOX.	CARBONS	NITROGEN
*****		******	BARRES	MUNUA	******	******
UCA						
	18	21.00	13.86	405.72	89.04	414.12
<del></del>	20	0.90	0.59	17.39	3.82	17.75
	12	0.0	0.0	0.0	0.0	0.0
	8	116.90	115.73	3387.76	743.48	3457.90
	6	92.20	60.85	1781.30	390.93	1818.18
	21	C.O	0.0	0.0	0.0	0.0
	22	0.0	0.0	0.0	0.0	0.0
	****	0.0	0.0	0.0	0.0	0.0
******	******	231.00	191.04	5592.17	1227.27	5707.95 12718.41
			ANALYSIS			3101273 1211084
		21(13310)				
	******	*******	******	******	******	****
	AMES A/C	ARRIDEP	PARTIC-	CARBON	HYDRO-	DXIDES OF
AIRPORT	TYPE	CYCLES	ULATES	MUNOX.	CARRONS	NITROGEN
******	******	******	*****	*****	******	******
IAD						
	18	15.09	9.05	200.70		289.73
	50	24.30	14.58	323.19	67.07	466.56
	12	0.0	0.0	0.0	0.0	0.0
	8	99.40	85.48 0.0	1983.03	414.50 0.0	2865.70 0.0
	22	33.00	0.0	923.67	247.50	3036.33
		41.00	6.6	1147.59	307.50	3772.40
		11.00	30.36	742.00	195.36	1309.00
	3	10.65	43.03	836.79	662.00	294.79
	11	3.59	2.15	47.75	9.91	68.93
	6	94.30	59.58	1320.69	274.07	1906.56
*******	********	*******	******	*****	*******	*******
		337.33	245.23			14009.98 24052.1
		EMISSION	ANALYSIS	FOR CASE	9	
			****			
***	AMES A/C	ARR/OFP	PARTIC-	CARBON	HYDRU-	OXIDES OF
ATRICKT	TYPE	CYCLES	ULATES	MONOX.	CARRONS	NITROGEN
*****	******	*****	******	****	******	*****
	19	13.99	8.68	232.84	50.37	273.14
	20	23.09	14.31	384.19	83.12	450.69
	1.2	0.0	0.0	0.0	0.0	0.0
420.	ζ,	30.08	27.98	751.82	161.56	879.98
	21	C.0	0.0	0.0	0.0	0.0
	22	15.99	7.40	570.41	159.76	1475.74
	1	3.00	9.00	278.86	68.97	359.82
	3	2.25	9.27	226.15	184.23	62.88
		13.99	2.10	499.55	139.79	1291.27
	6	66.77	_ 41.40	1110.00	240.36	1303.28
		140 17	116 PP	*********	**************************************	6096.80 11355.3
ب وسيدينيو.		169.17	115.12	4055.32	1088.15	0070.00 11337.3
ABOVE 3 CA						

TABLE 2.11

Emission Analysis for Case 10 (Pounds/Day)

	ATT C AZC	ARRIVINA	PAFTIC-	CANSUN	HYURU-	0×1005 00	=
	TVOC	CANDLES .	ULATES	BONDA.	CARLONS	VITRUGEN	
********	*******	****	*****	*****	******	*******	***
11 A		20.00		<b>5</b>			
	<u>I H</u>	20.00	13.20	346.40			
		5.40	4.55	153 <b>.</b> 23	74.76		
		0.0	0.0	0.0	(.0	0.0	
	<del></del>	19 . 70	194.73	_57(:)6	<u> 1251-01</u>	5H14.28	
		140.40	07.56	2717.53	594.30		
		0.0	(°•0   0•34	0.0		0.0	
		16.00			10.40	122.57	···
*******	****	LCIoriili. Handa Alaka Karaka Anda Anda Anda Anda Anda Anda Anda And		******************************	leteration (). Androperation	14/11-24	
	****	3/62 _06	303.27	9447.19	2005-36	10310 30	22664 23
				S FUR CAS		10710.29	22556.31
		- · · · · · · · · · · · · · · · · · · ·	M ANTA 21:	o rum yan	- 10		<del></del>
*****	******	*****	*****	*****	*****	*******	
······································	AMLS AZC	ASSZYCE	PARTIC-	CANEUN	-CACAH	OXIDES OF	
ATEREST	7 9 0		UEATES	MUN Y	CARPONS	NITRUGEN	
15/15/4/15/4/		******	******	*****	******	*******	***
, Ar	<del></del>						· · · · · · · · · · · · · · · · · · ·
	- · • • • · · ·	18.09	10.85	240.60	49.93	347.33	
	20	23.40	14.04	311.72	64.58	449.2H	
	12	1.0	C.0	0.0	0.0	0.0	
	<i>t</i> ·	34.20	34.10	782.04	163.46	1130.13	
	? ^	(.)	0.0	0.0	0.0	0.0	
	27	17.00	0.0	475.53	127.50		
		11.00	0.0	867.69	232.50	2852.31	
		4.0	11.04	244.00	71.04	476.00	
	.1	10.65	43.03	335.79	602.00		
	11	3.50	2.15	47.75	9.41	68.93	
		7.40_	42.54	949.62	197.05	1370.88	
********	*****	*******	*****	******	******	*******	***
		21 4.33	158.06	4801.53	1577.49	4553.80	15091.37
		<u> </u>	_ANALYSIS	E FOR CASE	<u> </u>	_	
1921年 5本本版章	***	***	*****	******	****	******	***
	171 S AZS	Ace Man	_PARTICH	_CAMEDN_	HYDK0	OXILES OF	
	* Y D D	CYCLF	ULATES	MUNUX.	CAVEUNS	NITROGEN	
	****	# * * * * * * * * * * * * * * * * * * *	****	******	****		***
•	•	1	* 6. 50		,,		
		24.49	9.30		= - :		
	• *	21	10 • e 3	244.27	74.45	403.86	
		3 . 5 8		C.0		982.21	
	- 51		$-\frac{31.73}{6.6}$	839.24	190.34		
		12.00	1.95	467.87		- 1199.04	
		2.110	/3.00	462.87_ 185.91	<del></del>	239.68	
	ż	2.25	9.27	220.15	45.99 184.23	-	
	.,	12.49		463.87		98.56	
	<del></del>	62.57	1.95 38.85	1042.86	129.80 225.61	1199.04 1223.29	<del></del>
******	******	97.477 ********	JO 6 177	10 a VPUX 14 4 4 4 4 4 4 4	・1 でもりょう! : 本本集会な事業者	したとうもとで 自由作権の由由の由立の	
		162.17	111.37	3815.58	1624.22	5602.94	10554.11
		4 / 6 0 4	44407	2013010	. 0/ 70 22	2002 6 TM	TO 1 140 F
LABOVE 3 CA	SES						
R ASOVE 3 CA	SES	762.50	577 <b>.7</b> 0	18059.30	4697.77	24867.03	48201.79

TABLE 2.12

Emission Analysis for Case 11 (Pounds/Day)

	AMES A/C	ARR/DEP	PARTIC-		HYDRO-	**************************************
AIRPORT	TYPE	CYCLES	ULATES		CARBONS	NITROGEN
	********		*****	*******	*******	******
DCA						· · · · · · · · · · · · · · · · · · ·
	18	20.00	13.20	386.40	84.80	394.40
	20	7.20	4.75	139.10		
	12	0.0	0.0	0.0	0.0	0.0
		182.70	180.87	5294.64	1161.97	5404.26
	6	135.10	89.17	2610.13	572.82	2664.17
	21	0.0	0.0	0.0	0.0	0.0
	22	0.0	0.0	0.0	0.0	0.0
	2	33.00	5,94	970.20	257.40	3032.36
*******	*******	*******	*****	*******	*******	*******
·		378.00	293,93	_9400.46	2107.52	11637.18 23439.
		EMISSION	ANALYSIS	FOR CASE	E_11	
			-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,	عارسوها سيعوط فارجوج	والمراجر والمراجر والمراجوس	للمناف والمراجع والمجرور ويمرجا المراجر مراجول
*******	*****			******		*****
	AMES A/C	ARR/DEP		CARBON	HYDRO-	OXIDES OF
AIRPORT	TYPE	CYCLES	ULATES	MONOX.	CARBONS	NITROGEN
IAD			******			
140	18	18.09	10.85	240.60	49.43	347.33
	20	23.40	14.04	311.22	64.58	
	12	0.0	0.0	0.0	0.0	0.0
	8	33.60	29.23	670.32	140.11	
	21	0.0	0.0	0.0	0.0	0.0
	22	15.00	0.0	419.65		
	2	31.00	0.0	867.69		2852.31
	1	4.00	11.04			
	3	10.65	43.03	838.79		
	11	3.59	2.15	47.75		
	6	69.00				1324-80
*******		********	*****	*******	******	*********
		208.33	151.75	4601.91	1533.01	8162.25 14448.
		EMISSION		FOR CASE		
******	********	*******	*****	******	*******	*****
		ARRIDEP		CARRON		OXIDES OF
AISPORT	TYPE	_CYCLES	ULATES	_ MONDX.		NITRUGEN
	********	*******	*****	******	******	*****
RWI				3/8/4		
	16	14.99	9.30		53.47	
	20	20.99	13.01	349.26 0.0	75.56 0.0	• • •
						0.0
	12	0.0	0.0			
	12 8	32.18	29.43	804.27	172.63	941.38
	12 8 21	32.18 0.0	29.43 0.0	804.27 0.0	172.63 0.0	941.35 0.0
	12 8 21 22	32.18 0.0 11.99	29.43 0.0 1.80	804.27 0.0 428.19	172.63 0.0 119.82	941.36 0.0 1106.80
	12 8 21 22 1	32.18 0.0 11.99 2.00	29.43 0.0 1.80 6.00	804.27 0.0 428.19 185.91	172.63 0.0 119.82 45.98	941.36 0.0 1106.80 239.88
	12 8 21 22 1 3	32.18 0.0 11.99 2.00 2.25	29.93 0.0 1.80 6.00 9.27	804.27 0.0 428.19 185.91 226.15	172.63 0.0 119.82 45.98 184.23	941.36 0.0 1106.80 239.88 62.86
	12 8 21 22 1 3 2	32.18 0.0 11.99 2.00 2.25 12.99	29.93 0.0 1.80 6.00 9.27 1.95	804.27 0.0 428.19 185.91 226.15 463.87	172.63 0.0 119.82 45.98 184.23 129.80	941.36 0.0 1106.80 239.88 62.86 1199.04
	12 8 21 22 1 3 2	32.18 0.0 11.99 2.00 2.25 12.99 62.77	29.93 0.0 1.80 6.00 9.27	804.27 0.0 428.19 185.91 226.15	172.63 0.0 119.82 45.98 184.23	941.36 0.0 1106.80 239.88 62.86 1199.04
********	12 8 21 22 1 3 2	32.18 0.0 11.99 2.00 2.25 12.99 62.77	29.93 0.0 1.80 6.00 9.27 1.95 38.92	804.27 0.0 428.19 185.91 226.15 463.87 1044.47	172.63 0.0 119.82 45.98 184.23 129.80 225.97	941.35 0.0 1106.80 239.88 62.86 1199.04 1225.24
ABOVE 3 C	12 8 21 22 1 3 2 6	32.18 0.0 11.99 2.00 2.25 12.99 62.77	29.93 0.0 1.80 6.00 9.27 1.95 38.92	804.27 0.0 428.19 185.91 226.15 463.87 1044.47	172.63 0.0 119.82 45.98 184.23 129.80 225.97	941.36 0.0 1106.80 239.88 62.86 1199.04

TABLE 2.13

Emission Analysis for Case 12 (Pounds/Day)

<b>カイミロシル</b> す	AMI C. AZC.	CALL C	- 016776- - 65776	CAFBUM MONEY	CV / / v	- 0X1055-0 - 5179-665	
*			******			******	
A D C							
	1.8	21.00	13.36	405.72	59,04	414.12	
	20	9.33	(++14)	170.00	J' • 43	185.40	
	12	0.6	0.0	<b>0.</b> •€	Ĉ.⊌.(	0.0	
	<u>}:</u>	<u>_</u> _ <u></u>	150.30	_4665 • 78_	<u></u>	_476. • 7	
	6		E5+26.		444.27	-	
	21	0.0	()	39.00	0.0	<u>.</u> (0	
-	<del></del>	. ۱۰(۱) ماران ماران					
*****	***	****		1440.66 *********	Disesti Line Company of the Company	4111	***
		5,75 (4)	2771	4256.04	2,00,20	•	24192.39
			ANTEVETS				
					*********		
******	******	******	******	****	****	******	****
	MES AZC	AST ZC10	D C		HY' P' -	i exiles e	
ATRPOST	TVU	CYLLES	ししんさけら			ADILIDOPEA	
*****	244.4.5.444	本水水   八水水   大麻木 	*****	***	*********	****	****
: I*^		10 00			49,03		
	7.0	19.09	10.85	240.60	49 <b>.4</b> 3	347.33	
		20.70	12.42				
		77.49	0•0 2••52	656.35	137.19	(•0 9461	
	2.			0	0.0	0.0	
	<del></del>			419.65	112.50	1360.15	
	····· ; ·	31.00	് ക്ക്	867.69			
·		7.00	21.04	785.00		470.00	
		10.65	4.4.62	N.18.79	662.00	70	
	• •	2	[.15	47.75	0.01	68.93	
		5/ +46	37.44	P 9.92	172.22	1198.0	
	******	*****	*****	******	******	• • • • • • • • • •	***
		195.33	145.50	441,4 . 25	1504.43	7963,52	14077.75
			"WAY . A 2 1 2	FOR CYC	:		
6634 (65)	******	******		*****			
*****	( 1/0	155700	PARTIC-	CARSON	UVDRU-	DXIDIS G	 -
· . · · ·	7400	- 646( %					
34.		****	******	******	******	*****	****
			-				
•							
. •	13	14.44	0.30	240.48	53.97	292,65	
. •	• •	14.49 .:	13.61	249.4P 349.26	53.97 75.56	292.65 409.71	
•			18.61	349.26	75.56 0.0	409.71	
•	· · · · · · · · · · · · · · · · · · ·	21.49 31.45	19.01 6.0 29.08	349.26 0.0 786.79	75.56 0.0 169.07	409.71 0.0 920.91	
. •		31.45	13.61 6.6 29.25 6.0	349.26 0.0 786.79 0.0	75.56 0.0 169.07 0.0	409.71 0.0 920.91 0.0	
g (f		31.49 0.0 0.0 1.49	13.61 6.01 6.00 1.10	349.26 0.0 786.79 0.0 428.19	75.56 6.0 169.07 0.0	409.71 0.0 920.91 0.0 1106.80	
g to the second second		0.0 0.0 31.65 0.0 1.49 2.00	13.61 6.0 0.0 1.10 6.00	349.26 0.0 766.79 0.0 428.19 185.91	75.56 6.0 169.07 0.0 119.82 45.98	409.71 0.0 920.91 0.0 1106.80 239.55	
, t		0.0 31.65 0.0 1.49 2.00 2.25	13.61 0.0 29.28 1.10 6.00 9.27	349.26 0.0 766.79 0.0 428.19 185.91 226.15	75.56 6.0 169.07 0.0 119.82 45.98 184.23	409.71 0.0 920.91 0.0 1106.80 239.85 62.88	
	1 3 2	2-00 25-49 2-40 2-49	19.05 0.0 1.10 6.00 9.27 1.95	349.26 0.0 766.79 0.0 424.19 185.91 226.15 463.87	75.56 6.0 169.07 0.0 119.82 45.98 184.23 129.60	409.71 0.0 920.91 0.0 1106.80 239.85 62.88 1194.04	
		0.0 31.65 0.0 1.49 2.00 2.25	13.61 0.0 29.28 1.10 6.00 9.27	349.26 0.0 766.79 0.0 428.19 185.91 226.15	75.56 6.0 169.07 0.0 119.82 45.98 184.23	409.71 0.0 920.91 0.0 1106.80 239.85 62.88	
****	1 3 2	71.99 0.0 31.45 0.0 1.99 2.00 2.25 12.99 62.47	17.61 6.0 29.25 6.0 1.10 6.00 9.27 1.95 35.73	349.26 0.0 766.79 0.0 42H.19 185.91 226.15 463.87 1039.4H	75.56 6.0 169.07 0.0 119.62 45.98 184.23 129.60 224.69	409.71 0.0 920.91 0.0 1106.80 239.85 62.88 1199.04 1219.39	****
**************************************	3 2	31.65 0.6 0.6 2.00 2.25 12.09 62.47	17.61 6.0 29.25 6.0 1.10 6.00 9.27 1.95 35.73	349.26 0.0 766.79 0.0 424.19 185.91 226.15 463.87	75.56 6.0 169.07 0.0 119.82 45.98 184.23 129.60	409.71 0.0 920.91 0.0 1106.80 239.85 62.88 1194.04	10293.03

TABLE 2.14

Emission Analysis for Case 13 (Pounds/Day)

	**************************************	**************************************	************** - ^*****	C 4 D D CA'	ナナチャマネネネー	<del></del>
1. TIER #	AMES A/C TYPE	ARR/DEP CYCLFS	PARTIC- ULATES	CARPON MONOX.	HYDRO- CARPONS	OXIDES DE NITROGEN
		CYCLES	ULAIFS	HUNUX.	CARFUNS	NITKIGEN
C.A					*******	
	18	21.00	13.86	405.72	"84.04	414.12
	20	11.40	7.52	220.25	48.34	224.F1
	12	0.0	0.0	0.0	0.0	0.0
	8	140.70	139.29	4077.48	_	4161.90
	6	126.90	03.75	2451.71		2502.47
	21	0.0	0.0	0.0	0.0	0.0
	22	6.00	0.72	117.60	31.20	367.56
	2	61.00	10.98	1793.40		5605.29
*******	*******	*******	******	******	******	********
		367.00	256.13	9066.14	2077.28	13276.14 24675
		EMISSION	ANALYSIS			
本水 23本本本本本本	******	*******	*****	******	*******	*****
	AMES A/C	AKR/DEP	PARTIC-	CARCON	HYDRO-	GXIDES OF
AIFPORT	TYPE	CYCLES	ULATES	MONOX.	CAPBONS	NTTROGEN
*******	*******	*******	*****	*****	******	*****
IAD						
	18	18.09	10.65	240.60		347.33
	20	18.90	11.34	251.37	52.16	362.AA
	12	0.0	0.0	0.0	0.0	0.0
	8	32.20	28.01	642-39	134.27	928.32
	21	0.0	<u> </u>	0•0	. 0.0	
	22	15.00_	0.0	419.85	112.50	_1350.15
<del></del>	?	31.00	0.0	867.69	232.50	2912.31
<del></del>	1	4.00	11.04	288.00	71.04	476.00
	.3	10.65	43.03	838.79	662.00	294.79
	11 6	3.59 <b>57.</b> 90	2.15 34.74	47.75 770.67	9.91 159.80	65.43 1111.68
*******		*****		770-07	154.00	, 1111.00
		191.33	141.17	4366-50	1484-12	7822.37 13614
			ANALYSIS			
**************************************	AMES A/C TYPE	ARR/DEP CYCLES	PARTIC- ULATES	CARBON MONOX.	HYORO- CAREONS	OXIDES OF NITRUGEN
********	*******	********	*******	******	******	********
BWI						
	16	14.99	9.30	249.48	53.97	292.65
	20	20.39	12.64	339.29	73.40	398.01
	12	0.0	0.0	0.0	0.0	0.0
<del></del>	<u>8</u>	30.08	27.98	751.82	161.56	874.95
	21	0.0	0.0	0.0	0.0	0.0
	22	12.99	1.95	463.87	129.80	1100.04
	1	2.00	6.00	185.91	45.40	239.88
		2.25	9.27	226.15	184.23	62.88
	3					
	3 2	12.99	1.95	463.67	129.80	1199.04
				463.67 1006.22	129.60 217.69	1199.04 1160.37
*****	2	12.99 60.47	1.95 37.49	1006.27	217.69	1150.37
ABOVE 3 CA	2 6	12.99	1.95			

TABLE 2.15
Emission Analysis for Case 14 (Pounds/Day)

	***			******	********	********	
276 ans 7	AMIN AZC	THE NAME OF		CARBON	F 4080-	DXINES (	
	*****	***********				Vacous (V	
'CA	e de german an an an Reise	****			**************************************	******	****
	• ,,	27.00	13.85	405.72	99.04	414.12	
	/5	· · · · · · · · · · · · · · · · · · ·	- 16	63.76	5.69	05.04	
	12	0.0	2.0	0.0	2.0	6.3	
	<b>}-</b>	155.40		4503.49			
		114.0	74.44	<b></b> <i></i>			
	21.	C.0	0.5	0.0	0.0	0.0	
	?.		4 `	30.00	10.40		
				470.40		1470 24	
· · · · · · · · · · · · · · · · · · ·	*****	医克勒斯斯 化多元化基础	******	***	*****	*****	****
			46 . 44.	76500	1777.1	8922.67	18573.14
		in the second	A . A . YS . S	FECH CAS	[ n n		
		- 1-					
· · · · · · · · · · · · · · · · · · ·		<b>电影中心的电影公路等</b>	*****	******	**^^**	*****	***
	AMILE AZC	Vr.F.No. b.	1.2.10-	0.494.05	14 Y 1 R () = 1	OX1042_0	
\$	7.865	0477 .	UUATTA	M1, 1 X .	\$4.70,75	7176 GGEV	
* * * * * * * * * * * * * * * * * * * *	100000000000000000000000000000000000000	**************************************	*****	****	* 173100881	****	****
				_			
	19	18.09	10.85	740.60	49.03	347.33	
		24.10	35.56	347.13		501.12_	
	1.8	• 11	୍∸≎	· • · `	2.1	0.0	
	**	6, .30	54-20	124	250.10	1796.11	
	- 22	1,40	9.3	501.02 1007.64 - 437.00 - 130.70	F36	14.54.14	
	· · ·	35.00	('°')	= 1007.64			
			— - ξ.Χ•≱φ.	<del>4</del> }4 • ( ()	J. 16.5%	71~.00	
	• .	17.45			•	31100 70	
	<b>1</b> .	\$ . O	2.15	4,7		60 -60 5	
		6		11.66.66		14.51.6	
						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	****
			1115 + (1) - 21 : 5 × 0 1 5			10372,71	18200.41
			·••	•	` <b>*</b>		
444	344494444	****	******	****	*******	*****	
	200 1 110	551 Z0 P	COSTIC	CALLINA	N. W. C. C.	טאיטדע ט	<b>.</b>
	1.40	SYCLES	– , , , , , , , , , , , , , , , , , , ,			TNOTHOGEN	
149		*******			*****	*******	
		12.00	A . 6	232.86	50.37	273.14	· <u></u>
		20.00	1.3	344.27	14.41	66 X 11 4	
					0.0	C.5	
	•	. •					
	·	74.79		+74.21	197. "6	1023.24	
<del></del> -		24.08			287.46	_1023.24 0.0	
- <del></del> -	• <u>• • • • • • • • • • • • • • • • • • </u>	·	37.53	+74.21	6.0	0.0	
·	)	6.0	27. f 3	74.21 (1.0	0.0	0.0	
	1 3	11,40	22.53 (0.0 1.40	174.21 (1.0) 424.19	6.0	0.0	
		3.00	1.40 9.00 9.00	74.21 (1.0 424.19 274.86 226.15	0.0 119.H2 68.97	0.0 1105.90 359.42 62.68	
		3.00 2.25	27.53 0.0 1.40 9.00	74.21 (1.0) 424.19 274.86	0.0 119.82 68.97 184.23	0.0 1105.80 359.42	
	5 22	71.59 3.60 2.75 14.49	32.53 0.0 1.50 9.00 9.27 2.25 39.22	74.21 0.0 424.19 274.86 226.15 525.23 1012.78	0.0 119.80 68.97 184.23 149.77 227.77	0.0 1105.80 359.52 62.68 1353.51 1235.00	
	5 2 /s	71.59 3.60 2.75 14.49	32.53 0.0 1.50 9.00 9.27 2.25 39.22	74.21 0.0 424.19 274.86 226.15 525.23 1012.78	0.0 119.80 68.97 184.23 149.77 227.77	0.0 1105.80 359.52 62.68 1353.51 1235.00	
**************************************	5 2 /s	7.00 3.00 2.25 14.49 67.47	27.53 0.0 1.40 9.00 9.27 2.25 39.22	74.21 0.0 424.19 274.86 526.15 525.23 1052.78 ************************************	0.0 119.80 68.97 184.23 149.77 277.77 1063.27	0.0 1105.80 359.52 62.58 135.51 1735.00	10000.61

TABLE 2.16

Emission Analysis for Case 15 (Pounds/Day)

	AMES AZC	ARR/DEP	PARTIC-	CARBON	HYDRO-	OXIDES OF
ATRPORT	TYPE	CYCLES	ULATES		CARBONS	NITROGEN
*******		********	*******	*******	*******	*****
ASC	<del></del>	-	*		· · · · · · · ·	
	18	22.00	14.52	425.04	93.28	433.84
	20	3.30	2.18	63.76	13.99	65.0A
	12	0.0	0.0	0.0	0.0	o.o
	<u> </u>	144.90	143.45	4199.20		4286.14
	6	109.80	72.47	2121.33		~
	21	0.0	0.0	c.o	0.0	0.0
	22	33.00	5.94	970.20	0.0	3032.30
*****	<i>.</i>	33.00	<b>9.74</b>	770-20	221.40	3032.36
*********		313.00	238 56	7770 52	1751 70	9982.67 19752.52
				FOR CASE		7702.601 17172.52
<del></del>						
******	*******	*******	******	*******	******	********
	AMES A/C	ARR/OFP	PARTIC-	CARRON	HY020-	OX:DES OF
TREGRETA	TYPE	CYCLES	ULATES	MONDY.	CARBONS	NITROGEN
****	******	********	*****	****	*******	*******
.40						
	18	18.09	10.85	240.60	49.93	347.33
	20	26.10	15.66	347.13	72.04	501.12
	12	0.0	0.0	0.0	0.0	0.0
	8	65.80	57.25	1312.71	274.39	
	21	0.0	<u></u>	0.0	0.0	
	22	19.00	<u>0•</u> 0	531.81		1747.19
	2	31.00	0.0_	867.59		2652.31
		4.00 10.65	43.03	288.00 838.79	71.04 662.00	476.00 294.79
	11	3.59	2.15	47.75	9.9%	65.93
	6	89.10		1185.03		-
*******		*******		*******		***
		267.33	193.44	5659.50	1760-22	9896.37 17509.52
		EMISSION	ANALYSIS	FOR CASE		
*******	*****	******	******	******	*****	*****
	AMES A/C	ARR/DEP		_CARBON_		OXIDES OF
JA15-408 <u>T</u>	TYPE	CYCLES	_ULATES		CARBONS	NITCUGEN
*******	******	******	******	******	******	*******
5×1						
	18 20	13.99	8.68	232.84	50.37	273.14
	12	0.0	12.64	339.29	73.40	398.01
<del></del>	<u>14</u>	35.68	33.18	891.70	191.61	0.0 1043.70
	<del></del>	0.0	0.0		141.01	0.0
	22	12.99	1.95	463.87	129.80	1199.04
	1	2.00	6.00	185.91	45.98	239.88
	3	2.25	9.27	226.15	184.23	68.56
	ž	12.99	1.95	463.87	129.80	1199.04
	6	62.67	38.98	1046.13	726.33	1227.19
********		*******	******	******	*****	*****
		163.17	112.64	3849.74	1031.53	5642.87 10636.79
BOVE 3 CA	SES					

TABLE 2.17

Emission Analysis for Case 16 (Pounds/Day)

**********	ATT S AZC	ARRIDER	PARTIC-	CARBON	HYDRO-	P <del>riides de la c</del> Oxides de	
AISPORT	TYPE	CYCLES	ULATES	MUNUX.	CARBONS	NITROGEN	
*******		******	******	******	*****	********	
LC 4		•					
	18	22.00	14.52	425.04	93.28	433.84	
		3.60	2.38	69.55	15.26	70.99	
	1.2	0.0	0.0	0.0	0.0	0.0	
	ø	120.40	128.20	3752.91	823.62	3830.61	
	<u> </u>	103.40	68.57	2007.35	440.54	2040.91	
	21	0.0	0.0	0.0	0.0	0.0	
	2.7	2.00	0.24	39.20	10.40	122.52	
	·	0.0	0.0	0.0	0.0	0.0	
*****	*****	******	*****	******	*****	*****	
		263.00		6294.04		6506.86 143	97.91
		EMISSION	ANALYSIS	FOR CASE	10		
						<del>-</del>	
******	*****	*****		****	****	*******	
	AMES AVC	ARRICE P		CARBON	HYDRO-	OXIDES OF	
ATCHOST	775"	GYCLES	ULATES	MONOX.	CARRONS	NITPOGEN	
******		***	*******		*******	****	
IAD	18	18.09	10.85	240.60	49.93	347.33	
* ***	20	27.30	16.38	363.09	75.35	524.16	
	12		0.0			- 6.0	
	1.2 H	54.60	47.50	1089.27	227.68	1574.12	
	2 '	0.0	0.0	0.0	0.0	2.0	
		17.00	0.0	475.83	127.50	1564.17	
	·	31.00	0.0	867.69	232.50		<del></del>
	<del></del> ;	4.00	11.04	286.00	71.04	470.00	
		10.65	43.03	838.79	602.00	294.79	
	11	3.59	2.15	47.75	9.91	62.93	
	6	87.10	52.26	1156.43	240.40	1672.32	
*******	******	*******	******	*******	*******	**********	
		253.33	183.22	5369.44	1696.30	9374.10 166	23.05
		EMISSION		FOR CASE		era da esta de la adenda esta de la composición de la composición de la composición de la composición de la co	
5-13-45-44	******	******	******	******	*****	*****	
	AMES A/C	ARRYDER		CARSON	HYTIRD-	CIXIDES HE	
t to select the	TYDE	CYCLES	ULATES	MONOX.	CARBONS	NITROGEN	
	******	******	*****	******	*****	********	
• • •		سي دريي دوس		معرادين وست	الي پر سرمومست		
	* 11	13.49	8.68		50.37		
		21.59	13.39	359.24	77.72	421.42	
	1.3	<u> </u>	0.0	0.0	0.0	0.0	
		35.69	33.18	891.70	191.61	1043.70	
	21	0.0	0.0	0.0	0.0	0.0	
	2?	11.09	1.80			1106.90	
	1	2.00	6.00	185.91	45.98	239.88	
	3	2.25	9.27	226-15	184.23	62.88	
	<del>{</del>	12.99	1.95	463.87	129.80	1194.04	
	6	65.67	40.71	1092.70	236.40	1281.82	
· · · · · · · · · · · · · · · · · · ·	~~***	የተቀጥተዋቸው የፊደ የማ	114.97	3880.59	1035.94		60.18
		166.17		3000-74	1037.44	,020.00 100	00.10
ADUVE 3 CA	CEC						

TABLE 2.18

Emission Analysis for Case 17 (Pounds/Day)

	AMES A/C	ARR/DEP	PARTIC-	CARBON	HYDRO-	OXIDES OF	
AISPORT		CYCLES	ULATES	MONOX	CARBONS	NITROGEN	
DC A				****		· · · · · · · · · · · · · · · · · · ·	
	18	22.00	14.52	425.04	93.28	433.64	
	20	3.40	2.57	75.35	16.54		
	12	0.0	0.0	0.0	0.0	0.0	
	8	114.10	112.96	3306.62	725.68		
	6	96.00	64.68	1893.36	415.52	1952.56	
		0.0	0.0	G. 5			
	2.2	6.00	0.72	117.60	31.20	367.56	
	2	61.00	10.98	1793.40	475.80	5605.29	
********	********	******	******	******	*****	*****	
		305.00				11791.22 21367.	.01_
		EMISSION	_ANALYSIS	S FOR CASE	17		
		<del></del>					
*****	********		*******	*******	******	*******	
	AMES A/C	ARR/DEP	PARTIC-	CARBON	さいことの	OXIDES OF	
AIRPORT   *********	TYPE	CYCLES	ULATES	MONOX.	CARRONS	NITROGEN	
IAD							
	18	18.09	10.85	240.60	49.03	347.33	
	20	27.30	16.38	363.09	75.35	524.16	
	12	0.0	0.0	0.0	0.0	0.0	
	8	50.40	43.85	1005.48	210.17	1453.03	
	21	0.0	0.0	0.0	5.0	i.o	
	22	15.00	0.5	419.85	112.50	13HC-15	
	2	31.00	0.0	867.69	232.50	2552.31	
	1	4.00	11.04	288.00	71.04	476.00	
	3	10.65	43.03	838.79	662.00	244.79	
	11	3.59	2.15	47.75	9.91	68.43	
	6	85.30	51.18	1134.49	235.43	1637.76	
*******	******		*******	********	*****	***********	
		245.33	178.48			9034.44 16077.	.47
		EM122104	ANALYSIS	FOR CASE			
*******	*******	******	******	******	*****	*********	
	AMES A/C	ARR/DEP	PARTIC-	CARPON	HYDRO-	OXIDES OF	
AIRPORT	TYPE	CYCLES	ULATES	MONOX.	CAREONS	NITAGGEN	
*******	*******	*******	*******	*******	*******	********	
AWI							
	18	13.99	8.68	232.84	50.37	272.14	
	20	21.69	13.57	364.23	78.80	427.27	
	12	0.0	0.0	0.0	0.0	0.0	
	<u>8</u>	34.28	31.88	856.73	164.10	1002.77	
	21	0.0	0.0	0.0	0.0	0.0	
	22	12.99	1.95	463.87	129.80	1199.04	
	1 3	2.00	6.00 9.27	185.91	45.98	234.88	
	2	12.09	1.95	226.15	184.23	88.56 1199.04	
	<del></del> 6	65.77	40.78	463.87_ 1094.36	129.80 236.76	1100.04	
********		****	70.70	1010			
		166.17	114.07	3887.95	1039-85	5687.79 10729.	A'S
LOVE 3 CA	SES			2001012	• • • • • •	4.127	<u> </u>
						26513.45 48174.	

TABLE 2.19
Emission Analysis for Case 18 (Pounds/Day)

*********	Λ41.5 AZC	AKKZDEP	PARTIC-	CARRON	HYDRD-	##########  C YUES O	
4150151	7496	CYCLIS	ULATES	MONDX.	CARTONS	Mandurk	
*****	****	*******	******	******	*******	*******	****
D'C A		21.00	" 13.85	105 77	49.04	414.12	
		1.20	U.74	405.72 23.19		23.66	<del></del>
	1.2	0.0	0.0	0.0	0.0	0.0	
	ř	107.80	105.72	3124.04	685.61	3188.72	
<del></del>	5	91.00	60.06	1756.12	385.84	1794.52	
	2:		0.0	0.0	0.0	0.0	
		2.0	0.24	39.20		122.52	
		10.00	2.88	470.40	124.80	1470.24	
		234.00	184.55	5820-66	1300.77	7013.78	14319.76
	······································			FOR CASE			14.11/6/10
		amenta eta eta eta eta eta eta eta eta eta e		· · · · · · · · · · · · · · · · · · ·	· -7		
	*****	******	****	******	******	*******	***
	ANT S AZC	VedNote			HYDRO-	0.41062 0	•
ATEP, AT	TYPC	CYCLES	ULATES	MUNDY.	CARPONS	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
							****
	7 9	15.09	· 9.05	200.70	41.65	794.73	
	25.5	20.70	15.02	355.11	77.54	512.54	
	1.5	7.0	6.0	0.0	^.0	٠٠٠٠ ت	
	÷*	95.70	80.82	1899.74	396.99	2744.51	
	2.1	(1.6)				· • 0	
	27	24.00		_ 671.76	150.00	The state of the s	
	;	36.00 10.00	2.0.0		245.60	- 3495.37	
			27.40	720.10 838.74	17.60	-1150.00- 294.79-	<del></del>
	11	3.50	2.15	47.75	9.91	66.93	
	<b>5</b>	107.10	61.86	1371.23	754.56	1979.52	
	*******	*******	******	******	******	******	****
•		326.23				12784.91	22306.92
		ENISCION	ANALYSTS	EDR CASE	12		
. , , , , , , ,	- ' A/C	<b>Δ</b> ≤ R <b>/</b> f ∈ P	D V6 4.1.C.	CAREON	HY"KD=	CXIDES O	**** E
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TYC	-cvcirs		MUNDY.		NI TRUGEN	
		*******	********	*******	******	********	****
	1 11	13.99					
	4	71.49	13.57	364.23	78.50	427.27	
				0.0	0.0	0.0	
		34.98	32.53	874.?1 0.0	197.86	1073.74	
	•	13.69	2.10	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
	1	2.00		185.91			
	3	2.25	9.27	226-15	184.23	62.88	
	ž	13.99	2.10	499.55	139.79	1291.27	
	6	64.07	40.46	1099.35	237.84		
********	******	******	*******	******	*****	*****	***
MOVE 3 CAS		169.17	115,20	3981.79	1064.65	<u>5898,58</u>	11060.22

TABLE 2.20
Emission Analysis for Case 19 (Pounds/Day)

	AMES A/C	ARR/DEP	PARTIC-	CAREON	HYDRO-	NXIDES OF	
AIPPORT	TYPE	CYCLES	ULATES	MONDX.		NITROGEN	
*******	********	********	*******	*****	*****	***********	
DC A						* 11 manuari	
	18	21.00	13.86	405.72	89.04	414.12	
	20	1.50	0.99	26.98		24.55	
	12	0.0	0.0	0.0	0.6	0.0	
	8	98-00	97.02	_2840.04			
	6	<u> </u>	57.75	1690-50		1725.56	
	2122	0.0	0.0	0.0	0.0	· 0 · 0	-
		31.00	0.0 5.58	911.40		2840.54	
*****		31.000	フォノC フォノC	***	2910U *********	とこべい。フマ	
		239-00	175.20	5876-63	1331-48	7916.62 15299	9-9
	<del></del>		ANALYSIS				
					` <del></del>		
*******	******	******	******	******	*******	*****	
	AMES A/C	ARRIDEP	PARTIC-	CARBON	HYDRO-	CXIDES OF	
AIRPORT	TYPE	CYCLFS	ULATES	.XONOM	CARRONS	NITROGEN	
	******	*******	******	*****	******	******	
LAD				<del></del>			
	18	15.09	9.05	200.70		289.73	
	20	25.50	15.30	339.15	70.38	489.60	
	12	0.0	0.0	0.0	0.0	0.0	
	8	103.60	90.13	2066.82		2966.78	
	<u>51</u>	0.0	<u> </u>	0.0		0.0	
	22	31.00	<u>0.</u> 0	867.69 867.69		_2852.31	
<del></del>	2	31.00 4.00	$\frac{0.0}{11.04}$	288.00		2852.31 476.00	
	3	10.65	43.03	836.79		294.74	
	11	3.59	2.15	47.75	9.91	68.92	
	6	103.90			286.76		
******	*******				*******		
		328.33	233.05	6898.44	2038.75	12305.30 21479	. 5
		EMISSION	ANALYSIS	FOR CAS	E 19		
****	*****	******	*****	******	******	********	
	AMES A/C			CARBON	HYDRE-	_DXIDES OF_	
AIFPORT	TYPE	CYCLES	ULATES		CARBONS	_NITROGEN @#############	
5 w I		******	******				
<u></u>	18	13.99	8.68	232.84	50.37	273.14	
	20	21.59	13.39	359.24	77.72	421.42	
	12	0.0	0.0	0.0	0.0	0.0	
	8	32.88	30.58	821.76	176.58	961.84	
	21	0.0	0.0	0.0		0.0	
	22	15.99	2.40	570.91	159.76	1475.74	
	ì	2.00	6.00	185.91	45.98	234.88	
	3	2.25	9.27	226.15		62.88	
	2	12.99	1.45	463.87		1109.04	
	6	64.47	39.97	1072.74	232.08	1258.41	_
		*******	******	*******	******	*********	
******							
		166.17	112.22	3933.42	1056.53	5842.35 10994	• • •
APOVE 3 C		733.50				26114.27 47769	

TABLE 2.21

Emission Analysis for Case 20 (Pounds/Day)

	AMES A/C	ARKIDEP	PARTIC-	CALHON	HYDRO-	OXIDES OF	
ATTPLKT	TABE	CYCLES	ULATES	MONOX.	CARBONS	NITROSEN	
****	*****	***	********	******	*****	********	
nc A		21 00					
	<del>18</del>	21.00	13.86_ 1.39	405.72		414.12	
	12	0.0	0.0	0.0	0.0	0.0	
	8	83.30	82.47	2414.03	529.79	2464.01	
	6	80.60	53.20	1557.19	341.74	1589.43	
	21	0.0	0.0	0.0	0.0	0.0	
	2.2	2.00	0.24	39.20		122.52	
	·	44.00	5.64	1411.20	374.40	4410.71	
*****	******	237.00	159.79	5867 <b>.</b> 91	******	************	-
			NALYSIS		1354.27	9042.21 16424.1	<u>'</u>
				_,, c,,c,,,			
*****	*****	******	*******	******	******	*******	
	AMES AZC	ARKZDEP	PARTIC-	CARRON	HYDRO-	CXIDES OF	
ATHRUNT	TYPL	CYCLES	ULATES	MUNDX.	CARBONS	NITROGEN	
IAU		*******	*****	*******	******		
TAU	18	17.09	10.25	227.30	47.17	328.13	
	20	27.00	16.20	359.10		518.40	
	1.	0.0	0.0	0.0	0.0	0.0	
	F.	95.40	83.43	1913.20	399.90	2764.79	
	21	0.0	0.0	0.0	0.0	0.0	
	2.	27.00	0.0	<b>7</b> 55 <b>.</b> 73	202.50	2484.27	
	· ·	31.00	0.0	867.69			
		4.00	11-04	244.00_		476.00	
	<b>5</b>	10.65 3.59	43.03	838.79 47.75		294.79 68.03	
	6	104.10	2.15 62.46	1354.53	9.91 287.32	1998.72	
		****	******	******	******	*****	
		320.33	228.57	6642.08	1486.86	11786.32 20683.8	2
		EWI 2210V	LANALYSIS	FOR CASS	5 70		
	AMES A/C	Λυτ·/τ·( p	PASTIC-	F & E & P V	HY[:QC=	exides of	
- 10 J	775	CYCLES	ULATES	MONOX.	CAPPONS	NITROGEN	
		******	*******	******	*****	******	
	27	13.04	6.68	222.84	50.37		
	7.2	20.09	154	379.29	73.40	398.01	
			(:•2		0,0	0.0	
		34.95	3(53)	074.21	187.86	1023.24	
-	21	17.44	· 1.9.	=:	129.80	1199.04	
	4			185.41	45.96	234.68	
	3	2.25	9.27	726.15	164.23	62.88	
		12.99	1.04	463.87	129.50	1199.04	
	6	62.57	31.79	1041.14	225.25	1221.34	
	*******	********	*******	******	******	*******	
*******							
11VF 3 CA		162.17	111.90	<u>  3927 • 27</u>	1,056.09	5616.55 10582.3	<u> </u>

TABLE 2.22
Emission Analysis for Case 21 (Pounds/Day)

	AMES A/C	ARR/DEP	PARTIC-		HYDRO-	OXIDES OF	
AIRPORT	TYPE	CYCLES	ULATES	MONOX.		NITROGEN	
******	********	********	******	********	*******	********	***
DC A			ا مرايع مستند		en en gran de la companya de la comp La companya de la companya de		
	18	21.00	13.86	405.72	89.04	414.12	<del></del>
	20 12	2.10 0.0	1.39	40.57 0.0	8.40 0.0	41.41 0.0	
	8	71.40	70.69	2069.17	454.10	2112.01	
	6	75.50	49.83	1458.66	320.12	1468.86	
	21	0.0	0.0	0.0	0.0	0.0	
	22	6.00	0.72	117.60	31.20	367.56	
	2	61.00	10.98	1793.40	475.80	5605.29	
****	~~~~~~	237.00	147.46	5885.12	1370.17	10029.24	17660 OF
				FOR CASE		1002 4.14	11440.70
			11111111111				
A	********	*******	******	******	*****	*****	***
78 787	AMES A/C	THE VOED	PARTIC-	CARBON	HYDRG-	OXIDES OF	
	TYPE	CYCLES	ULATES	MUNUX.	CARBONS	NITROGEN	
<del></del> -	16	13.09	10.85	240.60	49.93	347.33	<del>.,</del>
	20	27.30	16.38	363.09		524.16	
	12	0.0	0.0	0.0	0.0	0.0	
	8	91.00	79.17	1815.45	379.47	2623.53	
	21		<u> </u>	<u></u>			
	$-\frac{22}{2}$	22.00 31.00	°•°	615.78 867.69	165.00 232.50	2024.22 2852.31	
<del></del>	<del></del> -	4.00	11.04	288.00	71.04	476.00	
	3	10.65	43.03	838.79	662.00	294.79	
	11	3.59	2.15	47.75	9.01	68.93	
	6	102.70	61.62	1365.91	283.45	1071.64	* · · · · · · · · · · · · · · · · · · ·
******	*********	216 22	774 74	*****	*****	*********	***
		310.33		FOR CASE		11183.08	14/14-05
		271133104	A.44.C.131.	FUN CASE			
*******	********	******	*****	******	*******	*******	***
	AMES A/C	ARRICEP	PARTIC-		HYDRO	_OXIDES OF	
AIRPORT	TYPE	CYCLES	ULATES	MONOX.	CAREONS	NITROGEN	
5WI	<del></del>		<del></del>				· · · · · · · · · · · · · · · · · · ·
	16	13.99	8.68	232.84	50.37	273.14	
	20	19.79	12.27	329.31	71.24	386.30	
-	12	0.0	0.0	0.0	0.0	0.0	
	8	36.38	33.64	909.18	195.37	1064-17	
	21	0.0	0.0	0.0	0.0	0.0	
	22	13.99 2.00	2.10	499.55 185.91	139.79	1291.27 239.88	<del></del>
	•	2.25	9.27	226.15	184.23	63.66	
	3						
	3 2	12.99	1.95	463.87	129.80	1199.04	
				463.87	129.80 222.37	_1199.04 1205.73	
******	2 6	12.99 61.77	38.30	1027.84	222.37	1205.73	***,
**************************************	2 6	12.99	1.95	1027.84	222.37	1205.73	10748.59

TABLE 2.23

Emission Analysis for Case 22 (Pounds/Day)

	AMES A/C	ARR/DEP	PARTIC-		-ORCYH	DXIDES OF	•	
AIRPORT	TYPE	CYCLES	ULATES	MONDX.	CAPRONS_	NITROGEN		
******		*******	*******	*******	******		***	
DCA	18	21.00		405.72	89.04	414.12		<b>.</b>
	20	8.70	5.74	166.08	36.69	171.56	<del></del>	
	12	0.0	0.0	0.0	0.0	0.0		
	8	139.30	137.91	4036.91	685.45	4120.49		
	6	120.00		2316.40				
	21	0.v	0.0	0.0	6.0	6.0		
	22	6.00	0.72	117.60	31.20			
*****	2	61.00	LUSYA	1793.40	年7つ。20日 (本会会会会会会会	5605.29	***	
		356.00	242 41	8840.10	2027-67	13045-41	24161.59	
		EMISSION		FOR CASI			- Table 1 - Table 1	
********		******	******	*****	*******	*******	***	
	AMES A/C	ARRIDEP		CARPON	HYDRO-	CXIDES OF		
TACGAZA		CYCLES	ULATES	MONOX.	CARHONS	NITROGEN	***	
GA.							-	
:	18	18.09	10.85	240.60	49.93	347.33		
	20	21.00	12.60	279.30	57.46	403.20		
	12	0.0	0.0	0.0	0.0	0.0		
	8	33.60	29.23	670.32	140.11	968.69		
	<del>?1</del>		0.0	0.0		0.0		
	22	15.00_ 31.00	<u>0.0</u>	419.85 867.69	112,50	1380.15 2852.31		
	<del></del>	4.00	11.04	288.00		476.00		
	3	10.65	43.03			244.79		
	11	3.59	2.15	47.75	9.91	68.93		
	6	63.40	38 • 04	843,22	174.98	1217.26		- ~
******	*******	*******			******	******		
		200.33	·		-	6000.66	14162.05	
		E-12210V	ANALYSI	FOR CASI				
****	********	*******	******	******	*******	******	***	
	AMES A/C	ARRIDEP	PARTIC-	_CAPBON_	HYDRO-	_OXIDES OF		
AIRPORT	TYPE	CYCLES	ULATES	MINOX.	CARPONS	NITROGEN		
******	*******	*******	******	*****	******	********	***	
AWI	18	14.99	9.30	249.48	53.97	292.65		
	20	21.29	13.20	354.25	76.64	415.57		
	12	0.0	0.0	0.0	0.0	0.0		
	B	31.48	29.28	786.79	169.07	920.91		
	21	0.0	0.0	0.0	0.0	0.0		
	22	12.99	1.95	463.87	179.90			
	1	2.00	6.00	185.91	45.98	234.88		
	3	2.25	9.27	226.15	184.23	62.58		
	2	12.99	39.15	1051.12	129.80 227.41	1199.04 1233.05		
*******	6 *********	03011	37.65	****			+ **	· <del></del>
		161.17	110-10	3781.43	1016.90	5563.01	10471.43	
ABOVE 3 C/	SES							

TABLE 2.24

Emission Analysis for Case 23 (Pounds/Day)

********	AMEC A /C	•	*******	CARE 34		077054 05
	AMES A/C	ARR/DEP		CARBON	HYDRO-	OMIDES OF
AIRPORT	TYPE	CYCLES	ULATES	MUNUK	CARBONS	NITROGEN
DCA		******				
	18	21.00	13.86	405.72	89.04	414.12
	20	3.30	2.16	63.76	13.99	
	12	0.0	0.0	0.0	0.0	0.0
	Ā	107.10	106.03	3103.76		3168.02
	6	43.60	61.78	1806 . 35		1645.79
	21	0.0	0.0	0.0	0.0	
	22	6.00	0.72	117.60	31.20	367.56
	2	61.00	10.98	1793.40	475.8U	5605-25
******	*******	*******	*****	******	******	********
		292.00				11465.84 20642.6
		EMISSION	ANALYSIS	FOR CASE	E_23	
*******	*******	*******	******	******	******	********
	AMES A/C	ARRIDEP	PARTIC-	CAREON	HYDRO-	DXIDES DE
AIRPORT	TYPE	CYCLES	ULATES	MONOX.	CARBONS	NITROGEN
*******	********	*******	*******	*****	*******	********
IAC						
	18	18.09	10.85	240.60	49.93	347.33
	20	27.00	16.20	359.10	74.52	
	12	0.0	0.0	0.0	0.0	0.0
	8	57.40	49.94	1145-13	239.36	
	21	0.0	0.0	0.0	0.0	0.0
	22	17.00_	0.0	475.83	127.50	
	<del>2</del>	31.00		<u>      867.59                                    </u>		2852.31
	1	4.00	11.04	288.00 838.79		
	3	10.65	43.03 2.15	47.75		68.93
	6			1165.08		1661.92
*******		87.60	******	*****	****	******
		256.33	185.77	5427.96	1708-53	9458.67 16760.9
				FOR CASE		
						<del></del>
*****	*****	******	******	*******	******	********
	AMES A/C	ARRIDER	PARTIC-	CARBON		OXIDES_OF
AIRPORT	TYPE	CYCLES	ULATES	MONOX.	CARBONS	NITERGEN
******	*******	********	*******	********	******	********
IWa						
	18 20	13.99 21.59	8.68 13.39	232.84 <b>35</b> 9.24	50.37 77.72	273•14 421•42
	12	0.0	0.0	0.0	0.0	421.42 (.0
	8	35.68	33.18	891.70	191.61	1043.70
	<u>21</u>	0.0	0.0	0.0	0.0	0.0
	72	12.99	1.95	463.87		
<del></del>	1	2.00	6.00	185.91	45.96	239.88
	3	2.25	9.27	226.15	184.23	62.68
	2	12.99	1.95	463.87		1199.04
	6	65.67	40.71	1092.70		1281.82
		*******	******	*******	******	*********
*******						•
******		167.17	115.12	3916.27	1045.97	5720.92 10798.7
ABOVE 3 CA		167.17	115.12	3916.27	1045.97	5720.92 10798.

TABLE 2.25

Emission Analysis for Case 24 (Pounds/Day)

	AMES AZC	ARR/DEP	PARTIC-	CARBON	HYDRD-	DXIDES O	F
AIRPORT	TYPE	CYCLES	ULATES	MONOX.	CAPRONS	NITRUGEN	
*******	********	********	******	******	******	*******	***
DC A					·		
	1 ô	21.00	13.86			414.12	
	20	2.10	1.39	40.57		41.41	
	12	0.0	9.0	0.0	0.0	0.0	
	R	67.90	67.27	1967.74	431.84	2008.48	
	6	74.00	48.04	_1424.68	313.76	1454.28_	
	21	6.00	0.0	0.0	0.0		<del></del>
	22	60.00	10.80	117.60 1764.00	31.20 468.00		
*******	******	*******	************************************	1704.00	**********		****
		231.00	142-83	5725.30	1342.75		
			ANALYSIS				
				-2.5.2.			
*******	********	*******	******	*******	******	*******	***
	AMES A/C			CARBON	HYDRO~	axtaes a	F
AIRPORT	TYPE	CYCLES	ULATES	MONOX.	CAPBONS	NITROGEN	
	*******	*******	******	******	*****	******	***
IAD			<u>-</u>	دران بردان وسند			
	18	17.09	10.25	227.30	47.17	326.13	
	20 12	27.30	16.36	363.09	75.35	524.16	
	8	0.0 111.30	0.0 96.83	0.0	0.0	0.0	
	21	0.0	0.0	2220.43	464.12	3208.78	
	22	25.60	0.0	696.75	187.50	2300.25	
		1.00	0.0	27.99	7.50		
	i	4.00	11.04	288.00	71.04		
<del></del>	3	10.65	43.03	838.79	662.00		
	11	3.59	2.15	47.75	9.91	68.93	
	6	111.40	66.84	1481.62	307.46	2138.88	
******	******	******	*****	******	*****	******	<b>***</b>
		311.33				9431.90	17705.19
		EMISSION	ANALYSIS	FOR CASE	24	<del></del>	
******							
********	AMES A/C	ARR/DEP	DADTIC	_CAREON_	HY707-	OXIDES O	
AIRPORT	TYPE	CYCLES			CARFONS		
********	********						
8WI				······································			
	18	13.09	8.68	232.84	50.37	273.14	<del></del>
	20	19.79	12.27	329.31	71.24	386.30	
	12	0.0	0.0	0.0	0.0	0.0	
	8	36.38	33.84	904.18	195.37	1064.17	
	21	0.0	0.0	0.0	0.0	v.o	
	2?	13.99	7.10	499.55	139.79		
	1	2.00	6.00	185.91	45.98	239.89	
	3	2.25	9.27	226.15	184.23	62.88	
	2	12.99	1.95	463.87_	129.50	1169.04	<del></del>
******	6 ********	61.77	38.30	1027.84	222.37	1205.73	
	· · · · · · · · · · · · · · · · · · ·	163.17	112.39	3874-64	1039-14	5722.41	10748-50
				J T		ノイモ たるマ し	-U-7U-37
ABOVE 3 CA	SES						

TABLE 2.26

Emission Analysis for Case 25 (Pounds/Day)

						0 1 0 5 6 0 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
AIRPORT	AMES A/C	ARR/DEP CYCLES	PARTIC- ULATES	CARBON MONOX.	HYDRO- CARBONS	NXIDES OF NITROGEN
******	*******	******	*****	*****	*****	MITKUG-N
DCA			<u> </u>		- ' <del> '- '</del> - '- '- '- '- '	· · · · · · · · · · · · · · · · · · ·
	18	21.00	13.86	405.72	89.04	414.12
	20	3.90	2.57	75.35	16.54	76.91
	12	0.0	0.0	0.0	0.0	0.0
	<u></u>	114-10	112.46		725.67	
	<del>21</del>	95.00	0.0	1893.36	<u>+15.52</u> 0.0	
	22	6.00	0.72	117.60	31.20	367.56
	2	61.00		1703.40		5605.28
*******	*******	*******	******	******	******	******
		304.00	205.77	7592.03	1753.77	11771.50 21323.06
		EMISSION	ANALYSIS	FOR CASE	25	
*******			aarinii sar		alanınının e	
********	AMES A/C	ARR/DEP	PARTIC-	CADRON	HYDRO-	OXIDES OF
AIRPORT	TYPE	CYCLES	ULATES	MONOX.	CARBONS	NITROGEN
*******	*******		*******	******	********	********
DAI						
	1.8	18.09	10.85	240.60	49.93	347.33
	20	27.30	16.38	363.09		524.16
	12	0.0	0.0	0.0	0.0	0.0
	8	50.40	43.95	1005.48	210.17	1453.03
	<u>21</u> 22	0.0 15.00	0.0	0.0 419.85	0.0 112.50	0.0 1380.15
		31.00	0.0	867.69		
	<u>i</u>	4.00	11.64	288.00	71.04	476.00
	3	10.65	43.03	836.79		794.79
	11	3.59	2.15	47.75	9.91	68.93
	6	85.30		1134.49	235 . 43	1637.76
*******	********			******	*****	· 李本本本本本本本本本本本本 
		245.33	178.48			9034.44 16077.47
<del></del>	······································	EH13310N	ANAL TOLO	FOR CASE	<u> </u>	
******	******	*******	******	******	*******	********
	AMES A/C	ARR/DEP	PARTIC-	CARRON	HYDRO-	OXIDES OF
AIRPORT	TYPE	CYCLES	ULATES	MONOX.		NITROGEN
*******	*******	*******	******	*******	******	******
*******	1.6	13.99	6.68	232.84	50.37	273.14
*******	18	13.99 21.69	6.68 13.57	232.84	50.37 78.80	273.14 427.27
*******	1.6	13.99	6.68 13.57 0.0	232.84 364.23 0.0	50.37 78.60 0.0	273.14 427.27 0.0
*******	16 20 12	13.99 21.69 0.0	6.68 13.57	232.84	50.37 78.80	273.14 427.27
*******	18 20 12 8	13.99 21.69 0.0 34.28	6.68 13.57 0.0 31.86	232.84 364.23 0.0 856.73	50.37 78.60 0.0 184.10	273.14 427.27 0.0 1002.77
*******	16 20 12 8 21 22	13.99 21.89 0.0 34.28 0.0 3.00 2.00	6.68 13.57 0.0 31.86 0.0 0.45	232.84 364.23 0.0 856.73 0.0 107.05 185.91	50.37 78.80 0.0 184.10	273.14 427.27 0.0 1002.77
*******	16 20 12 6 21 22	13.99 21.89 0.0 34.28 0.0 3.60 2.00 2.25	6.68 13.57 0.0 31.86 0.0 0.46 6.00 9.27	232.84 364.23 0.0 856.73 0.0 107.05 185.91 226.15	50.37 78.80 0.0 184.10 0.0 29.95 45.98 184.23	273.14 427.27 0.0 1002.77 0.0 276.70 239.58 62.68
*******	16 20 12 8 21 22 1 3	13.99 21.89 0.0 34.28 0.0 3.60 2.00 2.25 12.99	6.68 13.57 0.0 31.86 0.0 0.45 6.00 9.27 1.95	232.04 364.23 0.0 856.73 0.0 107.05 185.91 226.15 463.87	50.37 78.80 0.0 184.10 0.0 29.95 45.98 184.23 129.80	273.14 427.27 0.0 1002.77 0.0 276.70 239.58 62.68 1199.04
BWI	16 20 12 8 21 22 1 3 2	13.99 21.89 0.0 34.28 0.0 3.60 2.00 2.25 12.99 65.77	6.68 13.57 0.0 31.86 0.0 0.45 6.00 9.27 1.95	232.84 364.23 0.0 856.73 0.0 107.05 185.91 226.15	50.37 78.80 0.0 184.10 0.0 29.95 45.98 184.23 129.80	273.14 427.27 0.0 1002.77 0.0 276.70 239.58 62.68 1199.04 1263.77
BWI	16 20 12 8 21 22 1 3	13.99 21.89 0.0 34.28 0.0 3.60 2.00 2.25 12.99 65.77	6.68 13.57 0.0 31.86 0.0 0.45 6.00 9.27 1.95 40.76	232.84 364.23 0.0 856.73 0.0 107.05 185.91 226.15 463.87 1094.36	50.37 78.80 0.0 184.10 0.0 29.95 45.98 184.23 129.80 236.76	273.14 427.27 0.0 1002.77 0.0 276.70 239.58 62.68 1199.04 1263.77
BWI.	10 20 12 8 21 22 1 3 2	13.99 21.89 0.0 34.28 0.0 3.60 2.00 2.25 12.99 65.77	6.68 13.57 0.0 31.86 0.0 0.45 6.00 9.27 1.95 40.76	232.04 364.23 0.0 856.73 0.0 107.05 185.91 226.15 463.87	50.37 78.80 0.0 184.10 0.0 29.95 45.98 184.23 129.80 236.76	273.14 427.27 0.0 1002.77 0.0 276.70 239.58 62.68 1199.04 1263.77

TABLE 2.27

Emission Analysis for Case 26 (Pounds/Day)

*********	AMES A/C	ARRICEP	FARTIC-	CARECN	HYDRU-	OXIDES OF	
AIRPORT	TYPE	CYCLES	ULATES_	MONDX.	CARSONS	NITROGEN	
4 * * * * * * * * *	******	******	******	******	******	*********	*
DC A	<b>, -</b>		12 04	/ 05 73	00 04		
	20	21.00	13.86	405.72	89.04 25.44	414.12	
	12	0.0	0.0	0.0	0.0	0.0	
	6	206.50_	204.43	5984.37	1313.34	6106.27	
	6	142.50	94.05	2753.10	504.20	2810.10	
	21	0.0	0.0	0.0	0.0	0.0	
	2.2	0.0	0.0	0.0	0.0	٥.0	
	?	C.O	0.0	0.0	0.0	C•0	
*******	********	*******	*******	**************************************	**********	*********	050 31
<del></del>	<del></del>	376.00 EMISSION	316.30	9259.10 FOR CASE		9450.80 21	058.21
		E4122104	MINETSIS	FUN CASE			
*****	*******	******	*****	*****	******	*********	*
	AMES AZC	ARRIDEP	PARTIC-	CARBON	HYDRO-	CXIDES CF	
AIRPORT	TYPE	CYCLES	ULATES	MONOX.	CARBONS	NITROGEN	
* 4 * 4 4 4 4 4 4 4	*******	***	*****	*****	******	*********	*
IAS		18.09	10.85	240.60	49.93	347.33	
	16	24.30	14.58	323.19	67.07	466.56	
	12			- 6.0	0.0	0.0	
	· 6	44.60	36.98	893.76	186.82	1291.58	
	21	0.0	0.0	0.0	0.0	0.0	
<del></del>	22	15.00	0.0	419.65	112.50	1380.15	
	2	33.00	0.0	923.67	247.50	3036.32	
	1	h.00	14.56	432.00	106.56	714.00	
	3	10.65	43.03	636.79	662.00	294.79	
	11	3.59 75.90	2.15 45.54	47.75 1009.47	9.91 209.48	68.93 1457.28	
	6	******	*****	****	*******	******	
		231.33	171.69	5129.07	1651.77	9056.93 16	009.45
·				FOR CASE			
	******	*******	*****	******	******	*********	*
- yearing +-	AMES AZC	ASP/DEP	PARTIC-		HYDRO-	OXIDES OF	
7 1 2 3 1 4 1 4 4	Y D 1:	CYCLES	ULATES	MONOX.	CARRONS	NITROGEN	
	The second secon						-
	1.6	14.99	9.30	249.48	53.97	292.65	
	2)	22.19	14.13	379.20	82.04	444.83	
		0.0	0.0	0.0	0.0	0.0	
	4	31.48	29.28	786.79	159.07	920.91	
	21	0.0	0.0	0.0	0.0	0.0	
	<del>?</del> ?	13.49	2.10	499.55	139.79	1291.27	
	1 2	2.00 2.25	6.00 9.27	185.91 226.15	45.98 184.23	234.88 62.88	
	3 2	13.99	2.10	499.55	139.79	1291.27	
		66.67	41.33	1109.33	240.00	1301.33	<del></del>
********	*****	*****	*******	******	******	**********	
		168.17	113.50	3935.95	1054.86	5845.03 10	049.34
ALOVE 3 CA							

TABLE 2.28

Emission Analysis for Case 27 (Pounds/Day)

****	AMES A/C	ARR/DEP	PARTIC-		HYDRO-	OXIDES OF	
AIRPORT	TYPE	CYCLES	ULATES	MONOX.	CARBONS	NITROGEN	
********	******	*******	*******	*****	******	********	***
DCA						منسي ومسر بوتيرنت	
	18	21.00					
	20 12	11.40	7.52 0.0	220 <b>.25</b> 0 <b>.0</b>		224.81	
	Ä	140.70	139.29	4077.48			
	6	125.90	83.75	2451.71		2502.47	
	21	0.0	0.0	0.0	0.0	0.0	
·	2.5	6.00	0.72	117.60	31.20	367.56	
	2	61.00	10.98	1793.40	475.80	5605.29	
******	*********	****	*******	****	*****	*****	***
		367.00				13276.14	24675.69
		EMISSION	ANALYSIS	FUR CAS	E 27		
******	******	******	******		******	*****	***
	AMES A/C	ARR/DEP	PARTIC-	CARBON	HYDRO-	OXICES OF	
AIRPOST	TYPE	CYCLES	ULATES	.XCNOM	CARBONS	NITROGEN	
*******	*****	******	******	******	******	*******	***
140							
	18	18.09	10.85	240.60		347.33	<u>-</u>
	20	18.90	11.34	251.37		362.68	····
	12	0.0 32.20	0.0 28.01	0.0 642.39	0.0 134.27	0.0 928.32	
	21	0.0	0.0	0.0	0.0	0.0	
	22	15.00	0.0	419.85			
·	2	31.00	0.0	867.69			
	<u> </u>	4.00	11.04	288.00		476.00	<del></del>
	3	10.65	43.03	838.79	662.00	294.79	
	11	3.59	7.15	47.75		68.93	
		57.90	34.74	770.07	159.80	1111.68	
本有力學學本本學學	******	******	******	******	*****	*****	***
			ANALYSIS		1484.12	7822.37	13014-13
			THISTE ! 313	FOR CAS		<del></del>	<del></del>
*****	******	******	*******	******	******	******	***
	AMES A/C	ARR/DEP	PARTIC-	CARBON	HYDRO-	OXIDES OF	
1150(41	TYPE	CYCLES	ULATES	MONOX.	CARRONS	NITROGEN	
******	*****	****	******	******	*****	******	***
* #1	15	14.29	9.30	249.48	53.97	292.65	
	20 20	20.39	12.64	339.29			
	<del>\(\frac{\frac{1}{2}}{\frac{1}{2}}\)</del>	0.0	0.0	0.0	0.0	0.0	
		30.08	27.48	751.62	161.56	879.98	
	21	C.0	0.0	0.0	0.0	0.0	
•	27	12.99	1.95	463.87	129.80	1199.04	
	1	2.00	6.00	185.91	45.98		
	3	2.25	9.27	226.15			
	22	12.99	1.95	463.67			
	6	60.47	37.49	1006.22	217.69	1160.37	
							·
******		164 17	" 104 ET	3484 60		RAKI DA	10241-42
FOR ABOVE 3 C	N C F S	156-17	106.57	3686.58	996.44	5451.84	10241.43

TABLE 2.29

Emission Analysis for Case 28 (Pounds/Day)

	AMIS A/C	ARRZDEP	PARTIC-	CARBON	HYDRO-	OXIDES U	F
AIRPORT	TYPE	CACFEC	ULATES		CARGONS	NITROGEN	
*****	*******	*******	******	******	******	*******	****
DCA							
	1.8	21.00		405.72		414.12	
	20	3.90	2.57			_	
	12	0.0	0.0	0.0	0.0	0.0	
	к	112.60	110.68	3245.74	712.32 411.70	3312.96	
		97.10 0.0	64.09	1875.97	0.0	1914.51	
	= 23		0.72			367.55	
		61.00		1795.40	475.80		
****	*****	*****	******	*****	******	******	****
		301.00	203.10	7513.74	1736.60	11691.64	21145.12
_		FMISSION		FOR CAS			
*****	*******	****	*****	******	******	*******	****
		AR R NOTE P					
VIRPORT	TYPE	CYCLES	ULATES	YUNDY.		NITHOGEN	
IA	*******	<b>李子</b>	******		********	*******	
1 A	18	18.09	10.85	240.60	49.93	347.33	
	·· - :50	27.50	16.56	367.08	76.18	529.92	
<del></del>		0.0			0.0	0.0	
	ŗ	53.20	46.28	1061.34	221.84	1533.76	
	23	0.0	0.0	0.0	7.0	0.0	
	72	15.00	0.0	414.65		1380.15	
		31.00	0.0	867.69			
		4.00	11.04	288.00		476.00	
	3	10.65	43.03				<del></del>
	11	3.59	2.15	47.75	9.91	68.93	
	6	87.20	52.32	1159.76	240.67	1674.24	
	********	*******	******	******	******		***
_		250.33			1676.57	9157.41	16307.06
		ENISSION	ANALYSI	FOR CASE	2 9		
*****	**********	**************************************	- 2177040	CARBON	HYDRO-	O ZBCIXO	***** **
1 T H 1 T P T I H T	AM'S A/C	CYCLES	ULATES	_XCNOM_	CARRONS	NITROGEN	
***	****	U/ULES	U_M:3	*****	*****	*****	
							<del> </del>
	18	13.99	8.68	232.54	50.37	273.14	
	20	22.19	13.76	369.22	79.88	433.13	
	12	( • ()	0.0	0.0	0.0	C.0	
******		32.18	29.93	804.27	172.83	941.3H	
	21	0.0	0.0	0.0	0.0	0.0	
	22	12.99	2.10	499.55	139.79	1291.27	
	1	2.00	6.00	185.91	45.98		
	3	2.25	9.27	226.15	184.23	62.88	
	??	12.49	1.95	463.87	129.80	1199.04	
•••••	6	65.57	40.65	1091.04	236.04	1279.87	
******	********	*******	******	*****	******		***
		165.17	112.33	3872.85	1038.92	5720.58	10744.68
OVE 3 C	ASES	716.50	107 11	14477	4.50.00	26569.62	48196.86

TABLE 2.30

Emission Analysis for Case 29 (Pounds/Day)

	***********	ARRZDEP	******** PAKTIC-	CAREON	HYDRO-	CXIO52	
AIRPOST	TYPE	CYCLES	ULATES	MONOX.	CARBONS	NITROGEN	
* * * * * * * * *	******	******	*******	******	******	*****	
DCA			•				
	18	21.00	13.86	405.72	89.04	414.12	
	20	6.00	3.96	115.92	25.44	118.32	
	12	0.0	0.0	0.0	0.0	0.0	
	8	213.50	211.36	6147.23	1357.96	6315.32	
	6	145.50	96.03	2811.06	616.92 0.0	_2869.26_ 	<del></del>
	22		~	o.o	o.o	ő <u>.</u> ñ	<del></del>
		0.0	0.0	0.0	0.0	0.0	
******	*******	*******	*******	******	******	*****	***
		396.00			2089.26	9717.02	21651.40
		FMISSION	_ANALYSIS	FOR CASE	_29		
		******	*****	*******			
***	ANI S AZC	ARRZOLP			HYDRO-	CXIDES	
ATENNICT	TYPL	CYCLES	ULATES	MONOY.	CARSONS	NITHOGEN	
*****	******	*******	*******	******	*****	******	****
IAD					<del></del>		
	18	18.09	10.85	240.60	49.93	347.33	<del></del>
	<u>56</u>	24.00	14.40	319.20	66.24 0.0	460.80 0.0	
	12	0.0 42.00	0.0 36.54	837.90	175.14	1210.86	
	2î		0.0	0.0	0.0	0.0	
	2.2	16.00	0.0	447.84	120.00	1472.16	
		32.00	7.0	845.66	240.00	-2444.32	
	,	5.00	13.80	360.00	58.80	595.00	
	3	10.65	43.03	838.79		294.79	
	11	3.59	2.15	47.75	9.91	68.93	
	****	7~.00	44.40	984.20	204.24	1420.90	***
		225.33	165.17	4971.95	1616.26	8814.96	15568.34
		EMISSION	ANALYSIS	FOR CASE	29		- · · · · · · · · · · · · · · · · · · ·
5. 证券公司市报报金	******	******	*******	********	******	******	<b>₹</b> ₹ 5
496 1964	TYPE	_ARK/CEP_ CYCLES	PARTIC-	CARRON MONOY.	HYDRO-	OXIDES C	
- A-1		してししこう  本本本本本本本本本本	#########	FIFTON U.N. 6 1 * * * * * * * * * * * * * * * * * * *	 	**************************************	****
• • •	18	14.99	9.30	249.48	53.97	292.65	
	20	21.89	13.57	364.23	78.40	427.27	
	!2	0.0	0.0	0.0	0.0	0.0	
		34.28	31.88	856.73	184.10	1002.77	<del></del>
	21	0.0	1.95	0.0	0.0	0.0	
		12.99	6.00	463.87 185.91	45.98	239.88	~~ <del>~~~~~~~~~</del>
	3	2.00	9.27	226.15	184.23	62.68	•
	2	12.99	1.95	463.87	129.80	1199.04	
	6	65.77	40.78		236.76	1283.77	
							444
******	*****	*******	*******	******	******	*****	
LUVE 3 CA	******	167.17	114.69	3904.58	1043.45	5707.30	10770.02

TABLE 2.31

Emission Analysis for Case 30 (Pounds/Day)

	AMES A/C	ARR/DFP	PARTIC-	CARBON	HYDRG-	OXIDES OF
AIFPORT	TYPE	CYCLES	ULATES		CARBONS	NITROGEN
******	********	********	*******	*******	*******	*******
DC A						
	1.8	21.00	13.86			414.12
	20	11.40	7.52			
	12	0.0	0.6	0.0	0.0	0.0
		140.70		_4077.48		416].40
	6	126.90		2451.71		2502.47
	21	0.0 6.00	0.0 0.72	0.0	0.0	0.0
	2	61.00	10.98	177.60	31.25	367.56 5675.20
******			さい。(1)』 * テルタを発生を発生され			ウル・ソフェイソ   神界と以来を中心を建る出来
		367.00	256 13	9066 16		13276.14 24675.69
			I ANALYSTS	S FOR CASE		135 10 - 14 - 540 13 - 04
	· · · · · · · · · · · · · · · · · · ·			7 OV. CH.:		
********	*******	*******	*******	******	******	*****
	AMES A/C	ARR/DEP	PARTIC-	CARSON	HYDRO-	OXYDES DE
AIRPORT	TYPE	CYCLES	ULATES	MONOX.	CARBONS	NITROGEN
*****	******	******	******	*******	******	*******
CAT						
	l â	18.09	10.85	240.60	49.93	347.33
	20	18.90	11.34	251.37	52.16	362.68
	12	0.0	0.0	0.0	6.5	0.1
	8	32.20	28.01	642.39	134.27	928.32
·	<u> </u>	0.0	<u> </u>		0.0	0.0
	22	15.00	0.0	419.65	112.50	1380.15
	2	31.00	0.0	867.69	232.50	285?•31
	1	4.00	11.04	288.00	71.04	476.00
	3	10.65	43.03	838.79	662.00	294.79
	11	3.59	2.15	47.75	9.91	63.93
****	<u>_</u> 6	57.90	34.74	7/0.07	159.80	_ 1114.68
,		191.33	141 17	4366 50	1464 15	7622.37 13814.15
	<del></del>			FOR CASE		
		223320	<u></u>	, 100		
********	******	******	*******	*******	******	******
	AMES A/C	ARR/DEP	PARTIC-	CAREON	HYDSO-	MXIDES NE
TROURTA	TYPE	CYCLES		MONDX.		NITAGGEN
********	*******	*******	*******	*******	******	******
BWI						
	18	14.99	9.30	249.48	53.97	292.65
	20	20.39	12.64	339.29	73.40	396.01
<del></del>	12	0.0	0.0	0.0	0.0	<u> </u>
	<u>a</u>	30.08	27.98	751 -82	161.56	879.98
	21	0.0	0.0	0.0	0.0	0.0
· · · · · · · · · · · · · · · · · · ·	2?	12.99	1.95	463.47	129.80	1160.04
	1	2.00	6.00	165.91	45.98	239.86
	3	2.25	9.27	226-15	184.23	62.88
<del> </del>	<u>{</u>	12.99	1.95	463.87		1109.04
*****	6	60.47	37.49	1006.22	Z11.69	1160.37
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		156.17	106.57	3686.58	996.44	5451.84 _10241.43
	SFS	AJUSAI	10017/	2000470	770.44	

<u>TABLE 2.32</u> Emission Analysis for Case 31 (Pounds/Day)

T. 700 CO. T.	AMFS A/C	ARRIDEP	PART [C-	C. KHO I	HYUKU-	UAIDES OF	;
AIRRINGL		CYCLFS				MITHUGEN	
******	*******	********	*****	*****	*****	******	***
OCA							
	1-	55.00	14.52	425.44		-	
	<del></del>	3-90-	2.57				
	14	0.0	0.0	0.0	0.0	0.0	
		78.00		-3316.62 		33/5.08	
	2i			1893.36	415.52	1935.56	
	55	5.00	0.72	117.50	31.40	307.56	
		01-00	• -	17¥3.40		5605.2°	
*****	*******	****	*****	****	*****	*****	***
		305.00	20K,43	-Inll-15	1/58.41	11741.22	21367-01
		EMISSION	ANALYSIS	FOR CASI	E Jl		
******	Auch A/C	***********	######### 		****	OXIUES OF	
ATHPORT	TYPE	CYCLES	ULATES		CANHUNS	NITHEGEN	
	**********						
1.0							
• ···	18		La_ds.	240-60	4y_ <u>43</u>	347.33	
	Žΰ	27.30	14.38	363.09	75.35	564.16	
		4.0			0.0		
	ų	50.40	47.85	1005.48	210.17	1453.03	
	<u>s</u> †		_	0.4		U.D.	
	55	15.00	0.0	419.25	112.50	1300.15	
	<del></del>	31.00					
	l .	4.00	11.04	288.00	71.04	4/6.00	
	11	<u>10.65</u> 3.59	2.15	<del>38,79</del> 47.75	7.91	55.91	
	<u>.</u>					-1016-70-	
******	*******	******				-	***
		245+33	17a.4H	-5/45.73	1058.82		16077-47
		EMISSION	ANAL YSTS	FOR CASE	1 31		
<del></del>	<del></del>						
	********	****		***	*****		***
******	AURC A 40	40.4565	04 1				•
**************************************	AMES A/C						·
ATRPORT	TIPE	CYCLES	ULATES	MUNGK.	CARHUNS	NITHEGEN	
******		CYCLES	ULATES	MUNGK.	CARHUNS	NITHEGEN	
	TIPE	CYCLES	ULATES 竞争性性最重性的	。XONI,M L在整整电影公司	CARHUNS REFREERS	NITHCGEN	
******	TYPE	CYCLES	ULATES EPPREERE	M,1NOK. 188888888 	CAMHUNS ************************************	NITHCGEN	
******	TIPE	CYCLES	ULATES 東井中性県東京東 	。XONI,M L在整整电影公司	CAMHUNS 188488888 50.37 78.811	NITHCGEN	
******	TYPE	CYCLES 13.99 21.89	ULATES 東井中性県東京東 	M(NOX. 18888888 232.84 364.23	CAMHUNS 188488888 50.37 78.811	NI IHCGEN 2/3-14 427-27	
******	71PE	13.99 21.49	ULATES ######### 13.57 0.0 31.88	MINOX. 232.84 364.23	CARHONS 188488888 50.37 78.80 0.0 144.10	2/3.16 427.27 0.0 1002.77	
******	71PE	13.99 21.89 34.28	ULATES ######### 13.57 0.0 31.88	MINOX. 232.84 364.23 	CARHONS REFERENCE 75.80 0.0 144.10 0.0 129.80	2/3.16 427.27 0.0 1002.77	
******	14 21 21 22 21 22	21.49 21.49 21.49 34.28 0.0 12.99	ULATES  ########  13.57  0.0  31.88	232.84 364.23 364.23 — 0.0 M56.73 — 0.0 463.37	CARHONS REFFERENCE 50.37 78.80 144.10 0.0 129.80 45.48	2/3-14 427-27 1002-77 40 1199-04	
******	7 YPE	21.49 21.49 34.28 0.0 12.99 2.25	ULATES  ########  13.57	32.84 364.23 364.23 	50-37 78-80 144-10 129-80 154-23	2/3-14 427-27 U-0 1002-77 N-0 1199-04 214-88	
******	71PE	21.69 20.00 21.69 21.69 20.00 34.28 0.0 12.99 2.00 2.25	ULATES  ########  13.57  0.0  31.88  1.95  1.95  9.27  1.95	232.84 364.23 364.23 	CARHONS RE####### 78.80 0.0 144.10 0.0 129.80 144.23 124.80	2/3-14 2/3-14 42/-27 1002-77 1002-77 2/3-84 02-86 1144-04	
******	14 21 21 22 21 22	21.49 21.49 34.28 0.0 12.99 2.25	ULATES  ########  13.57	32.84 364.23 364.23 	50-37 78-80 144-10 129-80 154-23	2/3-14 427-27 U-0 1002-77 N-0 1199-04 214-88	
******	71PE	CYCLES ************************************	ULATES ########  13.57  0.0  31.88  0.0  1.95	232.84 364.23 	CARHONS REFERENCE 70.01 70.01 14.10 0.0 129.80 45.98 144.23 129.80 236.76	2/3-14 427-27 1002-77 1199-04 213-88 92-88 1139-04	***
	7 YPE	21.69 20.00 21.69 21.69 20.00 34.28 0.0 12.99 2.00 2.25	ULATES  ########  13.57  0.0  31.88  1.95  1.95  9.27  1.95	232.84 364.23 	CARHONS RE####### 78.80 0.0 144.10 0.0 129.80 144.23 124.80	2/3-14 427-27 1002-77 1199-04 213-88 92-88 1139-04	***
******	7 YPE	21.69 20.72 21.69 21.69 2.25 2.25 12.99 2.25 12.99 65.77	ULATES  ########  13.57  0.0  31.88  0.0  1.95  -0.0  9.27  1.95  40.78  ###################################	232.84 364.23 	CAMHONS RE#######  50.37  75.80  0.0  144.10  129.80  144.23  129.80  236.76 RE####################################	2/3.14 427.27 1002.77 1002.77 1199.04 219.88 129.06 129.77	*** 10729-65
	7 YPE	CYCLES ************************************	ULATES  ########  13.57  0.0  31.88  0.0  1.95  -0.0  9.27  1.95  40.78  ###################################	232.84 364.23 	CAMHONS RE#######  50.37  75.80  0.0  144.10  129.80  144.23  129.80  236.76 RE####################################	2/3-14 427-27 1002-77 1199-04 213-88 92-88 1139-04	*** 10729-63
	7 YPE	21.69 20.72 21.69 21.69 2.25 2.25 12.99 2.25 12.99 65.77	ULATES  ########  13.57  0.0  31.88  0.0  1.95  -0.0  9.27  1.95  40.78  ###################################	232.84 364.23 	CAMHONS RE#######  50.37  75.80  0.0  144.10  129.80  144.23  129.80  236.76 RE####################################	2/3.14 427.27 1002.77 1002.77 1199.04 219.88 129.06 129.77	
	7 YPE	21.69 20.72 21.69 21.69 2.25 2.25 12.99 2.25 12.99 65.77	ULATES  ########  13.57  0.0  31.88  0.0  1.95  -0.0  9.27  1.95  40.78  ###################################	232.84 364.23 	CAMHONS RE#######  50.37  75.80  0.0  144.10  129.80  144.23  129.80  236.76 RE####################################	2/3.14 427.27 1002.77 1002.77 1199.04 219.88 129.06 129.77	*** 10729-63
	7 YPE	21.69 20.72 21.69 21.69 2.25 2.25 12.99 2.25 12.99 65.77	ULATES  ########  13.57  0.0  31.88  0.0  1.95  -0.0  9.27  1.95  40.78  ###################################	232.84 364.23 	CAMHONS RE#######  50.37  75.80  0.0  144.10  129.80  144.23  129.80  236.76 RE####################################	2/3.14 427.27 1002.77 1002.77 1199.04 219.88 129.06 129.77	*** 10729-63

TABLE 2.33
Emission Analysis for Case 32 (Pounds/Day)

*********	********	******	******	******	F4++######	*****	****
	AMES AZC	ARRIDEP	PARTIC-	CARRON	HYD90-	OXIDES D	
ATRPOST	TYPE	CYCLES	ULATES	MONOX.	CARBONS	NITRUGEN	
*****	******	******	*******	******	******	*****	****
DC A					00.04	, , , , , , , , , , , , , , , , , ,	
	18	21.00	13.86	405.72		414.12	
	20	2-10	1.39	40.57	6.90 0.0	41.41 C.O	
	1.2 8	0.0 71.40	0.0 70.69	0.0 2069.17	454.10	2112.01	
<del> </del>	<del></del>	75.50	49.63	1458.66	320.12	1465.86	<del></del>
				0.0	0.0	0.0	
	<del>2</del> 2	-6.00	0.72	117.60	31.20	367.56	
	<del>-</del> }	61.00	10.98	1793.40	475.80	5605.29	
*******	*****	******	******	******	******	*******	****
		237.00	147.46	5885.12	1379.17	10024.24	17440.98
		EMISSION	ANALYSIS	FOR CASE	32		
****	******	******	****	*****	******	******	***
	AMES AZC	ARRIDEP		CARBON		OKIDES O	
ATRECATA	TYPE	CYCLES	ULATES	MONDX.	CARBONS	NITRUGEN	
*****	*****	*****	******	******	*******	*****	****
1AD			, <u>-</u>				
	18	18.09 27.30	10.85 16.38	240.60 363.09	49.93 75.35	347.33 524.16	
	<del>(</del>		¹ 0.0	0.0	0.0	0.0	<del></del>
	. 4	91.00	79.17	1815.45	379.47	2623.53	
	21	0.0	0.0	_ 0.0	0.0	0.0	
<del> </del>	<del></del>	22.00	0.0	615.78	165.00	2024.22	
	·· <del></del> / ;	31.00	~~~~~~~	867.69	232.50	2852.31	
			11.04	285.00	71.04	470.CO	<del></del>
		10.65	43.03	838.79			
	1:	3.59	2.15	47.75	9.91	65.93	
	6	102.70	61.62	1365.91	283.45	1971.84	
****	*******	******	******	******	******	*******	***
		310.33	224.24	6443.05	1928.65	11193.06	19779.02
		<u>EMISSION</u>	ANALYSIS	FUR CASE	32		
·····	*****	******	******	********	******	*********	****
	AVES A/C	_ARR/DEP CYCLES	PARTIC-	CAREON MONOX.	CARRONS	OXIDES_C NITROGEN	
TARRIGHT	****		OLA 1'5	MUNUA.		*********	
• • •	16	13.99	8.58	232.84	50.37	273.14	
	20	10.79	12.27	329.31	71.24	386.30	
	1/	0.0	0.0	0.0	0.0	0.0	
	7,-	36.38	33.54	909.18	195.37	1064.17	
			0.0	0.0	0.0	0.0	
-	21	0.0	~ •				
	5.5	13.99		499.55	139.79	1291.27	
	35		2.10	499.55 185.91	139.79	234.88	
	2.2 1 3	13.99 2.00 2.25	2.10 6.00 9.27	185.91 226.15	45.48 184.23	234.88 62.88	
	2 2 1 3 2	13.99 2.00 2.25 12.99	2.10 6.00 9.27 1.95	185.91 226.15 463.87	45.48 184.23 129.80	234.88 62.88 1194.04	
	2.2 1 3	13.99 2.00 2.25 12.99 61.77	2.10 6.00 9.27	185.91 226.15	45.48 184.23	234.88 62.88 1199.04 1205.73	
*****	2 2 1 3 2	13.99 2.00 2.25 12.99 61.77	2.10 6.00 9.27 1.95 38.30	185.91 226.15 463.87 1027.84	45.48 184.23 129.80 222.37	234.88 62.88 1199.04 1205.73	****
*********	1 3 2 6	13.99 2.00 2.25 12.99 61.77	2.10 6.00 9.27 1.95	185.91 226.15 463.87	45.48 184.23 129.80 222.37	234.88 62.88 1199.04 1205.73	10748,59

## Aircraft Emissions Summary Data

Table 2.34 presents the total aircraft emission levels for each airport and for each case, in pounds per day.

## 2.2 Automobile Emissions

Because of the nature of the method used to estimate automobile emissions related to aircraft operating levels and passenger load levels, the percentage of the total emissions represented by a given type of pollutant is the same at all airports and for all cases. These percentages are as follows:

Carbon Monoxide	79,143	percent
Nitrogen Oxide	9.336	percent
Sulfur Dioxide	0.726	percent
Aldepydes	1.452	percent
Total Hydrocarbons	9.236	percent
Lead	0.066	percent
Particulates	0.132	percent

TABLE 2.34

Total Aircraft Emissions by Airport and Case

CASE	NATIONAL	DULLES	BALTIMORE	TOTAL
1	16,580	11,699	8,780	37,059
2	21,651	15,568	10,770	47,989
2 3 4	19,490	16,975	10,831	47,296
	17,222	19,291	11,105	47,618
5	14,999	20,266	11,068	46,333
6	12,806	24,052	11,355	48,213
7	20,792	16,130	10,906	47,828
8	17,178	19,291	11,105	47,574
9	12,718	24,052	11,355	48,125
10	22,556	15,091	10,554	48,201
11	23,439	14,449	10,347	48,235
12	24,192	14,078	10,293	48,563
13	24,676	13,814	10,241	48,731
14	18,573	18,200	11,000	47,773
15	19,753	17,510	10,636	47,899
16	14,398	16,623	10,660	41,681
17	21,367	16,077	10,730	48,174
18	14,320	22,307	11,060	47,687
19	15,300	21,476	10,994	47,770
20	16,424	20,684	10,582	47,690
21	17,441	19,779	10,749	47,969
22	24,162	14,162	10,471	48,795
23	20,642	16,781	10,798	48,221
24	17,015	17,705	10,749	45,469
25	21,323	16,077	9,349	46,749
26	21,058	16,010	10,949	48,017
27	24,676	13,814	10,241	48,731
28	21,145	16,307	10,745	48,197
29	21,651	15,568	10,770	47,989
30	24,676	13,814	10,241	48,731
31	21,367	16,077	10,730	48,174
32	17,441	19,779	10,749	47,969

Table 2.35 presents the complete data from the automobile emission analysis in pounds of pollutant per day. Four sets of data are presented. Three of these are the pollution levels on each of the three airports. The fourth is the additional pollution given off by automobiles used to carry passengers who, because of the policy option enforced at National, use Dulles and/or Baltimore instead of National. The emissions from these passengers who switch airports are emissions from the extra driving these passengers must perform beyond the driving they would have performed if they had not switched airports. The number of such switching passengers is defined with respect to the number of passengers using National under the 1990 base case, Case 2. For those Cases (10, 11, 12, 13, 22, and 27), for which the number of passengers using National is greater than under Case 2, no additional air pollution is assigned.

TABLE 2.35

1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,				Automobile	mission Lev	Emission Levels (pounds p	per day)			
National   352.35   41.11   3.23   6.46   41.11   0.29   0.58     Dulles	Case		8	NOX	502	Alderhydes	Total Hydrocarbons	Lead	Particulates	13
Dulles	7	National	352.35	41.11	3.23	6.46	41.11	0.29	0.58	4
National Signature         372.35         43.44         3.41         6.82         43.44         0.31         0.62           National Dulles         1.483.16         173.04         13.60         27.19         173.04         1.24         2.47         1.1           Baltimore Baltimore         792.24         92.43         7.26         14.52         92.43         0.66         1.32         1.1           A National Baltimore         815.48         97.47         7.66         15.32         97.49         0.41         0.81         2.28         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.41		Dulles	341.13	39.80	3.13	6.25	39.80	0.28	0.57	30
2         National Dulles         559.29         65.25         5.13         10.25         65.25         0.47         0.93           Baltimore         1,483.16         173.04         13.60         27.19         173.04         1.24         2.47         1.32           A National Lifez, 74         192.24         92.43         16.52         14.75         197.49         1.39         1.39           A National Dulles         1,562.74         197.49         15.52         31.32         97.47         0.66         1.39           Baltimore         832.57         97.13         227.08         17.84         35.66         48.76         3.83         7.66         48.76         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24         3.24		Baltimore	372.35	43.44	3.41	6.82	43.44	0.31	0.62	70
Dulles 1,483.16 173.04 13.60 27.19 173.04 1.24 2.47 1.24 2.47 1.25 1.24 2.43 1.24 2.47 1.25 1.24 2.43 1.25 1.32 1.32 1.32 1.32 1.32 1.32 1.32 1.33 1.44 1.34 1.35 1.34 1.41 2.28 2.28 1.34 1.34 1.34 1.34 1.34 1.34 1.34 1.34	7	National	559.29	65.25	5.13	~	2	4	6	706.
Baltimore         792.24         92.43         7.26         14.52         92.43         0.66         1.32         1.1           3 National Bulles         1,692.74         197.49         15.52         31.03         197.49         1.41         2.28         2.28           4 National Bultimore         483.48         97.47         7.66         15.32         97.47         0.70         1.39         1.39           4 National Bultimore         1,946.43         227.08         17.84         35.68         227.08         1.62         3.24         2.8           5 National Bultimore         2,735.23         319.11         25.07         50.15         319.11         2.28         4.56         3.24         2.8           5 National Bultimore         3,777.42         25.403         19.96         39.92         254.03         1.81         3.63         2.7         4.56         3.9         2.8         4.56         3.9         2.8         4.56         3.9         2.8         4.56         3.9         3.2         4.56         3.9         3.2         4.56         3.9         3.2         4.56         3.9         3.2         4.56         3.8         3.6         4.56         3.8         3.8         3.8		Dulles	1,483.16	173.04	13.60	7	173.04	. 6	4	873
3 National Dulles         487.29         56.85         4.47         8.93         56.85         0.41         0.81           4 National Saltimore         1,692.74         197.49         15.52         31.03         197.49         1.41         2.28           5 Dulles         835.48         97.47         7.66         15.32         97.47         0.70         1.39         1.41           6 National Saltimore         1,946.43         227.08         17.84         35.68         227.08         1.62         3.24         2.7           5 National Saltimore         2,735.23         319.11         25.07         50.15         319.11         2.28         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39         1.39		Baltimore	792.24	92.43	7.26		92.43	9		000
bulles         1,692.74         197.49         15.52         31.03         197.49         1.41         2.28         2,138           Altimore         835.48         97.47         7.66         15.32         97.47         0.70         1.39         1,055           4         National         417.94         48.76         3.83         7.66         48.76         0.35         0.70         5.28           Baltimore         40.46.43         227.08         17.84         35.68         227.08         1.62         3.24         2,458           Switch         2,735.23         319.11         25.07         50.15         319.11         2.28         4.56         3.455           Switch         357.62         41.72         3.98         6.56         41.72         0.69         4.95           Baltimore         820.94         95.78         15.95         95.78         0.68         1.37         1,037           Switch         3,902.56         455.30         35.77         71.55         455.30         3.25         6.50         4,930           Mational         234.74         272.39         27.39         1.95         3.29         2.75           Switch         4,953.28	m	National	487.29	26.85	4.	8.93	56.85	0.41	∞.	15
4         National Baltimore         835.48         97.47         7.66         15.32         97.47         0.70         1.39         1.1           4         National Baltimore         417.94         48.76         3.83         7.66         48.76         0.35         0.70         1.39         1.1           5         Dulles         1,946.43         227.08         17.84         35.68         227.08         1.62         3.24         2.           Switch         2,735.23         319.11         25.07         50.15         319.11         2.28         4.56         3.           5         National Switch         2,77.42         25.07         39.92         25.78         0.30         0.60         1.37         1.5           5 National Switch         3,902.56         455.30         35.77         71.55         455.30         3.25         6.50         4.5           6 National Switch         3,902.56         455.30         35.77         71.55         455.30         3.25         6.50         4.5           6 National Switch         4,953.28         577.88         4.54         90.81         577.88         4.13         8.25         6.50           7 National Salies         531.28		Dulles	1,692.74	197.49	'n	31.03	197.49	1.41	7	138
4 National Dulles         417.94 at 7.94 at 7.94         48.76 at 7.66 at 7.68 at 7.66         7.66 at 7.68 at 7.08 at 7.68 at 7.69 at 7.69 at 7.60		Baltimore	835.48	97.47	7.66	15.32	97.47	0.70	<u>س</u>	50
Dulles 1,946.43 227.08 17.84 35.68 227.08 1.62 3.24 2  Baltimore 832.57 97.13 7.63 15.26 97.13 0.69 1.39 1.39  Switch 2,735.23 319.11 25.07 50.15 319.11 2.28 4.56 3.  Switch 2,735.23 319.11 25.07 50.15 319.11 2.28 4.56 3.  Switch 2,77.42 254.03 19.96 39.92 254.03 1.81 3.63 2.  Baltimore 820.94 95.78 7.53 15.05 95.78 0.68 1.37 1.85  Switch 3,902.56 455.30 35.39 2.78 5.56 35.39 0.25 0.51  Dulles 854.19 99.66 7.83 15.66 99.66 0.71 1.42 1.42  Baltimore 854.19 99.66 7.83 15.66 99.66 0.71 1.42 1.42  National 531.28 61.98 4.87 9.74 61.98 0.44 0.89  Baltimore 818.43 95.48 7.50 15.00 95.48 0.68 1.39 1.39	•	National	417.94	48.76	3.83	7.66	48.76	0.35	0.70	200
Baltimore         832.57         97.13         7.63         15.26         97.13         0.69         1.39         1,051           Switch         2,735.23         319.11         25.07         50.15         319.11         2.28         4.56         3,455           Switch         2,735.23         41.72         3.28         6.56         41.72         0.30         0.60         451           Bulles         2,177.42         254.03         19.96         39.92         254.03         1.81         3.63         2,750           Baltimore         820.94         95.78         7.53         15.05         95.78         0.68         1.37         1,037           Switch         3,902.56         455.30         35.77         71.55         455.30         3.25         6.50         4,930           Baltimore         854.19         99.66         7.83         15.66         99.66         0.71         1.42         1,079           Switch         4,953.28         577.88         4.87         9.74         61.98         0.44         0.89         67.1           Pulles         1,554.00         181.30         1.50         95.48         7.50         15.00         95.48         0.58		Dulles	1,946.43	227.08	17.84	35,68	227.08	1.62	3.24	8
Switch         2,735.23         319.11         25.07         50.15         319.11         2.28         4.56         3           5         National Dulles         2,777.62         41.72         3.28         6.56         41.72         0.30         0.60         3.63         2.28         4.56         3         2.28         2.28         3         2.28         3         2         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         4         3         3         3         4         3         3         3         3         4         3         4         3         4         3         4         4         3         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4		Baltimore	832.57	97.13	7.63	15.26	97.13	0.69	1.39	30
5 National         357.62         41.72         3.28         6.56         41.72         0.30         0.60           Dulles         2,177.42         254.03         19.96         39.92         254.03         1.81         3.63         2           Baltimore         820.94         95.78         7.53         15.05         95.78         0.68         1.37         1           Switch         3,902.56         455.30         35.77         71.55         455.30         3.25         6.50         4           National         303.30         35.39         2.78         5.56         35.39         0.25         3.89         2           Baltimore         854.19         99.66         7.83         15.66         99.66         0.71         1.42         1.42           Switch         4,953.28         577.88         45.41         90.81         577.88         4.13         8.25         6           National         531.28         61.98         4.87         9.74         61.98         0.68         1.39         1.39           Dulles         1,554.00         181.30         14.25         28.49         181.30         0.68         1.39         1.39           Paltimore <th>۵.</th> <td>Switch</td> <td>2,735.23</td> <td>319.11</td> <td>25.07</td> <td>50.15</td> <td>319.11</td> <td>2.28</td> <td>4.56</td> <td>45</td>	۵.	Switch	2,735.23	319.11	25.07	50.15	319.11	2.28	4.56	45
Dulles         2,177.42         254.03         19.96         39.92         254.03         1.81         3.63         2.83         2.63         3.63         2.78         1.81         3.63         2.78         1.50         95.78         0.68         1.37         1.75         95.78         0.68         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.37         1.42         1.37         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42 <th></th> <td>National</td> <td>357.62</td> <td>41.72</td> <td>3.28</td> <td>6.56</td> <td>41.72</td> <td>0.30</td> <td></td> <td>451.</td>		National	357.62	41.72	3.28	6.56	41.72	0.30		451.
Baltimore         820.94         95.78         7.53         15.05         95.78         0.68         1.37         1           Switch         3,902.56         455.30         35.77         71.55         455.30         3.25         6.50         4           National Bullies         2,334.74         272.39         2.78         5.56         35.39         0.25         0.51         2           Bullies         2,334.74         272.39         21.40         42.80         272.39         1.95         3.89         2           Bullies         4,953.28         577.88         45.41         90.81         577.88         4.13         8.25         6           National Dulles         531.28         61.98         4.87         9.74         61.98         0.44         0.89           Baltimore         818.43         95.48         7.50         15.00         95.48         0.68         1.39         1.39		Dulles	2,177.42	254.03	19.96	39.92	254.03	1.81		2.750.
Switch         3,902.56         455.30         35.77         71.55         455.30         3.25         6.50         4           National Baltimore         2,334.74         272.39         2.78         5.56         35.39         0.25         0.51           Baltimore         854.19         99.66         7.83         15.66         99.66         0.71         1.42         1.42           Switch         4,953.28         577.88         45.41         90.81         577.88         4.13         8.25         6           National Dulles         1,554.00         181.30         14.25         28.49         181.30         1.29         2.59         1           Baltimore         818.43         95.48         7.50         15.00         95.48         0.68         1.39         1		Baltimore	820.94	95.78	7.53	15.05	95.78	0.68		1.037.
National         303.30         35.39         2.78         5.56         35.39         0.25         0.51           Dulles         2,334.74         272.39         21.40         42.80         272.39         1.95         3.89         2.           Baltimore         854.19         99.66         7.83         15.66         99.66         0.71         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         1.42         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.         6.		Switch	3,902.56	455.30	35.77	71.55	455.30	3.25	•	4,930.
Dulles     2,334.74     272.39     21.40     42.80     272.39     1.95     3.89     2.89       Baltimore     854.19     99.66     7.83     15.66     99.66     0.71     1.42     1.42       Switch     4,953.28     577.88     45.41     90.81     577.88     4.13     8.25     6       National     531.28     61.98     4.87     9.74     61.98     0.44     0.89       Dulles     1,554.00     181.30     14.25     28.49     181.30     1.29     2.59     1       Baltimore     818.43     95.48     7.50     15.00     95.48     0.68     1.39     1	φ	National	303.30	35,39	2.78	5,56	35,39	0.25	0.51	61 88 83
Baltimore         854.19         99.66         7.83         15.66         99.66         0.71         1.42         1           Switch         4,953.28         577.88         45.41         90.81         577.88         4.13         8.25         6           National         531.28         61.98         4.87         9.74         61.98         0.44         0.89           Dulles         1,554.00         181.30         14.25         28.49         181.30         1.29         2.59         1           Baltimore         818.43         95.48         7.50         15.00         95.48         0.68         1.39         1		Dulles	2,334.74	272.39	21.40	42.80	272.39	1.95	3.89	6
Switch     4,953.28     577.88     45.41     90.81     577.88     4.13     8.25     6,257.       National     531.28     61.98     4.87     9.74     61.98     0.44     0.89     671.       Dulles     1,554.00     181.30     14.25     28.49     181.30     1.29     2.59     1,963.       Baltimore     818.43     95.48     7.50     15.00     95.48     0.68     1.39     1,033.		Baltimore	854.19	99.66	7.83	15.66	99.66	0.71	1.42	079.
National 531.28 61.98 4.87 9.74 61.98 0.44 0.89 Dulles 1,554.00 181.30 14.25 28.49 181.30 1.29 2.59 1, Baltimore 818.43 95.48 7.50 15.00 95.48 0.68 1.39 1,		Switch	4,953.28	577.88	45.41	90.81	577.88	4.13	8.25	257.
1,554.00 181.30 14.25 28.49 181.30 1.29 2.59 1,963. ore 818.43 95.48 7.50 15.00 95.48 0.68 1.39 1.033.	7	National	531.28	61.98	4.87	9.74	61.98	0.44	68.0	671.
818.43 95.48 7.50 15.00 95.48 0.68 1.39 1.033.		Dulles	1,554.00	181.30	14.25	28.49	181.30	1.29	2.59	
		Baltimore	818.43	95.48	7.50	15.00	95.48	0.68	1.39	

TABLE 2.35

			Automobile	Emission Lev	Levels (pounds p	per day)			
Case	Airport	00	NOX	502	Alderhydes	Total Hydrocarbons	Lead	Particulates	TOTATOL
<b>œ</b>	National	417.94	48.76	3,83	7.66	48.76	0.35	0.70	
	Dulles	1,946.43	227.08	17.84	35.68	227.08	1.62	3.24	2,453.93
	Baltimore	832.60	94.14	7.63	15.26	97.14	0.69	1.39	051.8
	Switch	2,735.23	319.11	25.07	50.15	319.11	2.28	4.56	55.5
6	National	303,30	35.39	2.78	5.56	35,39	0.25	0.51	23.1
	Dulles	2,334.74	272.39	21.40	42.80	272.39	1.95	3.89	: 656
	Baltimore	854.19	99.66	7.83	15.66	99.66	0.71	1.42	079
	Switch	4,953.28	577.88	45.41	90.81	577.88	4.13	8.26	6,257.64
10	National	583.19	68.04	5.35	10.69	68.04	0.49	6	١.
	Dulles	1,424.99	166.25	13.06	26.12	166.25	1.19	2.37	C.
	Baltimore	768.00	89.60	7.04	14.08	89.60	0.64	1.28	970.24
11	National	610.02	71.17	5.59	11.18	71.17	0.51	1.02	Ψ
	Dulles	1,340.09	156.34	12.28	24.57	156.34	1.12	2.23	1.692.53
	Baltimore	758.04	88.44	6.95	13.90	88.44	0.63	1.26	957.6
12	National	628.31	73.30	5.76	11.52	7.330	•	1.05	7
	Dulles	1,278.55	149.16	11.72	23,44	149.16	1.07	2,13	1,615.24
	Baltimore	754.15	87.98	6.91	13,83	87.98	•	30.	952.7
13	National	642.74	74.99	5.89	11,78	74.99	0.54	?	811.99
	Dulles	1,235.55	144.15	11.33	22.65	144.15	1.03	2.06	-
	Baltimore	746.41	87.08	6.84	13,68	87.08	0.62	. 2	942.35
14	National	456.11	53.21	4.18	8.36	53.21	0.38	0.76	N
	Dulles	1,811.02	211.29	16.60	33,20	211.29	1.51	3.02	σ,
	Baltimore	830.51	96.89	7.61	15.23	96.89	0.69	1.38	1,049.22
	コントト	71770.10	676.77	27.07	70.07	77.77	00.1	77.7	•

TABLE 2.35

			Automobile	mission Lev	Emission Levels (pounds p	per day)			
Case	Airport	00	NOX	502	Alderhydes	Total Hydrocarbons	Lead	Particulates	TOTAL
15	National Dulles Baltimore Switch	486.13 1,742.30 796.41 1,416.08	56.72 203.27 92.91 165.21	4.46 15.97 7.30 12.98	8.91 31.94 14.60 25.96	56.72 203.27 92.91 165.21	0.41 1.45 0.66	0.81 2.90 1.33 2.36	614.15 2,201.10 1,006.14
16	National Dulles Baltimore Switch	512.67 1,627.19 813.04 902.30	59.81 189.84 94.85 105.27	4.70 14.92 7.45	9,40 29,83 14,91	59.81 189.84 94.85 105.27	0.43 1.36 0.68 0.75		647.6 055.6 027.1
11	National Dulles Baltimore Switch	525.81 1,582.12 811.24 648.42	61.34 184.58 94.64 75.65	4.82 14.50 7.44 5.94	9.64 29.01 14.87 11.89	61.34 184.58 9.464 75.65	0.44 1.32 0.68 0.54	0.88 2.64 1.36	
18	National Dulles Baltimore Switch	337.32 2,235.62 833.97 4,295.39	39.35 260.82 97.30 501.13	3.09 20.49 7.64 39.37	6.18 40.99 15.29 78.75	39.35 260.82 97.30 501.13	0.28 1.86 0.69 3.58	0.56 3.72 1.39 7.16	426.15 2,824.33 1,053.59 5,426.51
19	National Dulles Baltimore Switch	368.56 2,136.66 822.05 3,690.71	43.00 249.28 95.91 430.58	3.38 19.59 7.54 33.83	6.76 39.17 15.07 67.66	43.00 249.28 95.91 430.58	0.31 1.78 0.69 3.08	0.61 3.56 1.37 6.15	465.52 2,699.31 1,038.53 4,662.60
20	National Dulles Baltimore	394.15 2,070.16 799.61	45.98 241.52 93.29	3.61 18.98 7.33	7.23 37.95 14.66	45.98 241.52 93.29	0.33 1.73 0.67	0.66 3.46 1.34	497.94 2,615.30 1,010.18
21	National Dulles Baltimore Switch	413.02 2,002.55 799.19 2,830.44	48.19 233.63 93.24 330.22	3.79 18.36 7.33 25.95	7.57 36.71 14.65 51.89	48.19 233.63 93.24 330.22	0.34 1.67 0.67 2.36	0.68 3.34 1.33 4.72	521.78 2,529.88 1,009.64 3,575.79

TABLE 2.35

			Automobile E	Emission Lev	Levels (pounds p	per day)			
Case	Airport Type	00	NOX	502	Alderhydes	Total Hydrocarbons	Lead	Particulates	TOTAL
22	National	621.91	72.56	5.70	11.40	72.56	0.52	1.04	785.6
	Dulles Baltimore	1,291.98 762.48	150.73 88.96	11.84 6.99	23.69 13.98	150.73 88.96	1.08	2.15 1.27	1,632.27
23	National	506.85	59.13	4.65	9.29	59.13	0.42	0.84	640.3
	Dulles	1,643.84	191.78	15.07	30.14	191.78	1.37	2.74	363
	Baltimore	817.06	95.32	7.49	14.98	95,32	0.68	1.36	1,032.2
	Switch	1,014.66	118.38	9.30	18.60	118.38	0.85	1.69	287
24	National	401.60	46.85	3.68	7.36	46.85	0.33	0.67	60
	Dulles	2,037.07	237.66	18.67	37.35	237.66	1.70	3.40	2,573.4
	Baltimore	805.14	93.93	7.38	14.76	93.93	0.67	1.34	
	Switch	3,051.73	356.03	27.97	55.95	356.03	2.54	5.09	11)
25	National.	525.81	61.34	4.82	9.64	61.34	0.44	0.88	664.2
	Dulles	1,578.92	184.21	14.47	28.95	184.21	1.32	2.63	1,994.7
	<b>Baltimore</b>	811.24	94.64	7.44	1.487	9.464	0.68	1.35	1,025.3
•	Switch	648.42	75.65	5.94	11.89	75.65	0.54	1.08	819.1
56	National	542.59	63.30	4.97	9.95	63,30	0.45	0.90	
	Dulles	1,532.88	178.84	14.05	28.10	178.84	1.28	2.55	1,936.5
	Baltimore	801.41	93.50	7.35	14.69	93.50	0.67	1.34	ci.
	Switch	323.34	37.72	2.96	5.93	37.72	0.27	0.54	
27	National	642.74	74.99	5.89	11.78	74.99	0.54	1.07	
	Dulles	1,235.55	144.15	11.33	22.65	144.15	1.03	2.06	1,560.9
	Baltimore	746.41	87.08	6.84	13.68	87.08	0.62	1.24	545.
28	National	520.84	60.76	4.77	9.55	60.76	0.43	0.87	657.9
	Dulles	1,604.83	187.23	14.71	29.42	187.23	1.34	2.67	2,027.4
	Baltimore	807.09	94.16	7.40	14.80	94.16	0.67	1.35	1,019.6
	Switch	744.50	8.686	6.82	13.65	86.86	0.62	1.24	940.5

TABLE 2.35

	TOTAL	706.58 1,873.73 1,000.86	811.54 1,560.91	664.27 1,998.75 1,024.87 819.17	521.78 2,529.88 1,009.64 3,575.79
	Particulates	0.93 2.47 1.22	1.07 2.06 1.24	0.88 1.34 1.08	0.64 3.34 1.33 4.72
	Lead	0.47 1.24 0.66	0.54 1.03 0.62	0.44 1.32 0.68	0.34 1.67 0.67 2.36
per day)	Total Hydrocarbons	65.25 173.04 9.243	74.99 144.15 87.08	61.34 184.58 94.64 75.65	48.19 233.63 93.24 330.22
Levels (pounds p	Alderhydes	10.25 27.19 14.52	11.78 22.65 13.68	9.64 29.01 14.87 11.89	7.57 36.71 14.65 51.89
Emission Le	802	5.13 13.60 7.26	5.89 11.33 6.84	4.82 14.50 7.44 5.94	3.79 18.36 7.33 25.95
Automobile E	NOX	65.25 173.04 92.43	74.99 144.15 87.08	61.34 184.58 94.64 75.65	48.19 233.63 93.24 330.22
	CO	559.29 1,483.16 792.24	642.74 1,235.55 746.41	525.81 1,582.12 811.24 648.42	413.02 2,002.55 799.19 2,830.44
	Airport Type	National Dulles Baltimore	National Dulles Baltimore	National Dulles Baltimore Switch	National Dulles Baltimore Switch
	Case	29	30	31	32